1

If centre to vi. Increase mic. setting.

3

ome Temp.

Focus .....

Dome Temp.

Hour Angle End

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						David Dunlap Observatory	
						74" Logbook	
						Vol. 30	
						Plate No's 25747 - 26176	
						Aug 1961 - June 1962	

5

Date Sat/Sun Aug 12/13 1961 Observer Hy Cl - Cl +J.P. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1386 - 168	⊕ M 13				7,6,40	28		21:58	22:20	
1387 - 168	α Lyr				4,4,8	28		22:37		
1387 - 168	source				4,5,8	28		22:55		
1388 - 168	⊕ M92	17 15.9	+43 11		7,6,40	28		23:02	—	
1389 - 168	⊕ M 30	21 38.1	-23 22		7,6,40	28		23:46	00:04	
1390 - 168	⊕ M 2	21 31.4	-01 00		7,6,40			00:20?		
1391 - 168	α Lyr				4,4,~~8~~ 40	28		00:34		
~~25747~~										

Dome Temp. 60°F

Transparency Conditions excellent

Focus

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
$2^h 14^m$ W	—					night is exceptionally clear,	
$1^h 17^m$ W						but seeing is poor.	
						wind shakes telescope enough	
$3^h 02^m$ W	—					to move the cluster image about.	
$0^h 36^m$ E							
						— ONE WAY ONLY; NO SKY (CLOUD	
$3^h 15^m$ W						THREATENED α LYR)	
						α Lyr seeing: star occupied	
						½ diaphragm: ⊘	

Clouded out: $01^h 22$

7

Date Sun/Mon Aug 13/14, 1961 **Observer** Gg – Gg **Julian Day**

Plate No.	Object	R.A. ~~1900~~ (1960)	Declination ~~1900~~	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
1392-169	R416	17 19.2	+32 32		7,5,32	set 14 (p.s.)		21 03		
	sky	one-way			"			21 21		
1393-169	α Lyr				4,5,8	14		21 39		
"	Source				4,5+4,8			21 56		
1394-169	⊕M92	17 15.9	+43 11		7,6,40	28		22 20		
"	sky	one way to 3360 on dial			"			22 40		
1395-169	BS7710	20 09.2	-00 56		5,5,8	28		23 11		
"	Source				4,5+4,8			23 38		
1396-169	⊕M30	21 38.1	-23 32		8,5,40	"		00 08		
"	sky		Not taken							
1397-169	⊕M15	21 28.1	+12 00		7,5,40	"		~~00 45~~ 00 53		
1398-169	α Lyr & Source				4,5,8	14		1 26 (stopped: cloud)		
	R.S.									

Met 30.14 - 23h

Dome Temp. 60

Focus

Dome Temp.

V = 700 at 20h15
CO_2 " 2025

Transparency Conditions (Clear all over. brightest lights are from new golf-driving range to the SW).

8

Hour Angle ~~End~~ middle	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1h01m W		3" fair	7.5	G0 V		RC better at 24 ?? – centering 3/4 from centre. – didn't check at end. Scan 5160 to 3490 & back (close to pier)	
						nil	
0h23 W		poor 6" (∵ so bright)				Scan 5460 to 3430 & back	
						22h thin cloud near Jupiter 22h01 Echo I same alt as γ Peg. & ≃ 10° S in azi.	
2h23 W		Seeing seems good in 14" eyepiece				22h20 – scattered cloud high in SE. 22h30 scattered cirri in S.W. & S (22h50 & in N)	
0h22W		~~14"~~	3.24	B9.5 III			
			faint		added CO_2	0h00 — cloud high in E NIGHT IS NOT OF BEST QUALITY. 0h15 stratus rising from South!! Return sweep — no-good.	
0h45W						Patches of cirri in SW 1h00 Cloud all over S — 1h05 – NOT TRULY PHOTOMETRIC. Clouds over Southern 1/2 of sky! — 1h30 Air feels damp CLOUDED-OUT	

Date Mon - Tue Aug 14/15, 1961 **Observer** MR & CL **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
1399-170	IV Cep 41	22h 55m.0	+62° 24'		7,5,40	set 20		00h 56		
1400-170	III Cep 40	22h 55m.0	+62° 22'		7,6,40	"		01 20		

Dome Temp. 66°

Transparency Conditions Poor

Focus

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.		REMARKS	Quality
B.								
8.30		10"	8.30	05		4Å/sec.	L.S. are taken directly	
9.49			9.49	B,V		1Å/sec	from scales. Clouds	
		Md		sd	ME			
	Aug. 15	+85.0		+2.1	-6.0			

Tues.-Wed. **Date** Aug 15-16/61 **Observer** — Hv **Julian Day** 2437527.5
⊙142 53 15.8 3461.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp. 22.8	Starting Time E.S.T.	Ending Time E.S.T.	P.H
25747	HD 203374 MWC 366	21 16.7	61 25	12.5	IIaO b	.008	22.8	00 30	00 40	1
25748	HDE 239723	22 15.8	58 27	"	"	"	22.7	00 56	01 52	2
25749	HDE 235807	22 17.4	55 03	"	"	"	22.4	02 03	04 17	3
	Focus 7.5 + 6TB									

Dome Temp. +66°

Transparency Conditions Good. Quite Breezy

Focus

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0041W	61 40	0-1	6.6	Bare	9	5+5 BE BIN #7 6654 6658	fine (guiding)
0054W	58 43	2-1	9.7	B3I6	3-3-3	" 3 OB #9 6667 6715	good (guiding)
0311W	55 18	1	9.77	B3.5 In	3-3-3	" 3 OB #9 6722 6763	good
					12/6	" 8 centre el to red	
						1 F.H. loaded. 11 fog.	
						WHO left Ex. Mtr. ON???	
						One corner of all of above plates is fogged.	

13

MR, CI - solicitation of Rhodes Trust. Radio Astronomy, 74", 4¼", demonstrated

Date Wed/Thur Aug 16/17 1961 **Observer** Hy - F **Julian Day** 2437528.5

0 143 50 57.3 3462.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
1401-171	α Lyr				4,4,8	28		22:15		
25750 ~~HDE 229239~~	HDE 229239	20: ~~24~~ 20.4	38:11	I-12	IIaO B	000	S {20.1} F {19.5}	23:24	-3:24	4
32751	40 9.05 Fokker Feat	01 24 6	62:51	"	"	"	19.7	03:46	4:30	1

Very The [illegible] just [illegible] had

Dome Temp. 60

Focus

Dome Temp. 57

Transparency Conditions

cirri at sunset
seems good at 0:30
excellent 1:20

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
$1^h\ 11^m$ W						Clouds (thin cirrus from north)	
$2^h\ 26^m$ W	38:20	0	9.6	DI a6	3-3-3	OI P1	good
$0^h\ 25^m$ W	63:07	0-1	7.5	[illegible]	3-3-3	[illegible] SET 3	fine
					10/8	SET 7	centre very sl to violet
						23.30 [illegible]	
	3 PHs	[illegible]	[illegible]				
						2.10 [illegible] 2.42	
						2: [illegible]	

Date Th/Fri Aug 17-18, 1961 Observer (Cg) F -Hr Julian Day 2437529.5
⊙ 144 48 39.9 3463.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
140A-171A	α Cr B MWC 350				4,6!,8	28		19 59		
25252 .1	HD 198322	20 36.0	-02 46	I-12	IIaO B	.008	22.2	20:51	21:11	2
.2	"						22.1	21:16	21:30	
25253	HD 198286 MWC 352	20 43.5	36 07	"	"	"		21:30	21:40	3
	"		"	"	"			21:43	21:46	
25254 .1	HD 136067	19 29.5	38 24	"	"	"	21.9	22:09	22:30	4
⊛ .2	"		"	"	"	"	22.0	22:30	22:51	
25255	HD 1[illegible]014	22 23.4	16 46	"	"	"	22.1	23:05	00 37	1
25256	HDE 235673 Hom 9.4	21 54.0	52 20 07B	"	"	"	22.0	00 48	0318	2

⊛ spots no good

Dome Temp. 67

Focus

Dome Temp.

Transparency Conditions Band of Cirri all over sky (some [illegible]) Some cirri in South 2230 [illegible] has up to 40° alt in S -27°

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality
2h 00m W						still twilight		
1h 21 E	-02 34	0	5.3	B9e	4½-2½	Be program star 350 set 3	6848	fine
1h 38 E	"	0		"	5½-4½	set 7	6850	fine (guiding)
1h 12 E		0	4.5	B6e	7	Se set 3	6849	good (guiding)
1h 33 E	—	0	7.0	"	9	set 6	6860	Guiding poor
0h 27 W	52 29	0	7.5	K5	3-3-3	Sel Vel Set 1	6861 7005	fine
0h 47 W	52 29	0	7.5	K5	3-3-3	Set 5	6871 6877	fine
0h 21 E	17 01	0	5.5	G8	3-3-3	Set 3	6881 #8 6911	fine
0h 59 W	52 37	0-1	9.4	O7	3-3-3	Set 3	6913 #9 6945	fine
					12/8	" 3	centre slightly red	
						2B 11 [illegible]		
		MC		SC		ME		
	Aug. 18	+86.0		+1.5		-4.0		

Note - emulsion is scarred on some of above & previous page also.

Date Fri-Sat Aug 18/19 1961 **Observer** Hy - Hy **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
1402-172	R 402	16 52.2	+42 54		7,5,32	14		20:17		
1403-172	110 Her	18 44.0	+20 31		6,5,32	14		20:44		
1404-172	α Lyr	18 35.6	+38 45		4,5,8	14		21:10		
1405-172	R 467	19 23.9	+24 51		7,4,32	14		21:36		
1404-172	source	(38.6)	—		4,5,8	14		21:27		
1406-172	R 476	19 32.0	+33 07		7,5,32	14		21:57		
1407-172	110 Her	18 44.0	+20 31		6,4,32	50		22:18		
1408-172	61 Cyg A	21 04.8	+38 30		6,5,32	50		22:50		
1409-172	61 Cyg A	21 04.8	+38 30		7,4,32	14		23:08		
1410-172	α Lyr	18 35.6	+38 45		4,5,32!	14		23:31		
1410-172	source	(38.0)	—		4,5,8	14		23:48		
1411-172	R 513	21 10.2	+17 35		7,5,32	14		23:56		
1412-172	⊕ M 15	21 28.1	+12 00		7,6,40	28		00:22	sky negligible!	
1413-172	ι Peg	22 05.2	+25 09		,32	14		00:46		
1414-172	α Lyr	18 35.6	+38 45		4,5,8	14		01:39		
1414-172	source	(29.111)	—		4,5,8	14		01:45		

Dome Temp. 72

Focus —

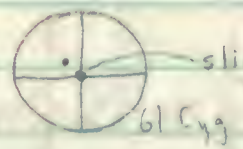
Dome Temp.

Transparency Conditions

Echo I : 20:40

Echo I : 22:45

00:50

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1^h03^m W			7.5	G0 V		sky very hazy. Echo I (i')	
0^h21^m E			4.7	F6 V		disappeared at 15° alt in East	
0^h15^m W			0.04	A0 V		whether due to earth shadow or	
0^h09^m E			6.7	F6 V		great haze can't tell.	
—			—	—	—	still extremely hazy	
0^h04^m W			7.2	G0 V			
1^h13^m W			4.7	F6 V			
0^h35^m E			6.4	K5 V		←  slightly brighter	
0^h17^m E			6.4	K5 V			
2^h34^m W			0.04	A0 V		← note wrong time constant	
—			—	—		haze is slightly less [illegible]	
0^h25^m W			7.9	F9 VI		sky is clear but hazy.	
0^h33^m W						haze persists	
0^h21^m W			4.4	F5 V		01:30 haze very bad [illegible] but	
—			0.04	A0 V		not too bad over [illegible]	
—			—	—		no good: telescope would not stay on object.	

OVER

Date Fri-Sat Aug 18/19 1961 **Observer** H y **Julian Day** 2437530.5
@ 145 46 23.6 3464.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.
25757	SUSPECTED SUPERNOVA IN M32			I-12		100		02:06	02:26

Discovery Claim: 3h U.T. Aug 15 J. P. Boudreau
650 Blvd des Grandes Prairies
Cap de la Madelaine Ouest.
Québec, P.Q.

Attempt at Confirmation: 8h U.T. Aug 19 R C Henry
Jan Aug 20 EST
20 minute plate shows (?)
also the previous night (Aug 17-18) characteristic broad
some confirmation noted by MK and emission feature
Dr Fernie. between 4500, 4700 A.

(P.S. I don't bet my life on it! Hy)

14 14 - 172 Source

Dome Temp. .....

Transparency Conditions .....

Focus .....

Dome Temp. .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	Sky is very dark and hazy.					It appears as if it might be genuine S.N. very weak	
						Hy	
	more & more hazy - terrible - 02:27						
	1 PH loaded				E + 3	Plate is [illegible]	
						Mon - Aug 14-15 Aug 14 22h 30	
						Fri - Aug 18-19	
						Sat - Aug 19-20 [illegible]	

Date Tues - Wed Aug. 22-23/61 **Observer** DL **Julian Day** 2437534.5

⊙ 149 37 29.2 3469.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	I
25758	2 Cyg	19h 41.8	44° 53	I-12	IIaD	.105	28.4	20.10	20.11	4
	"	"	"					22.12	22.13	"
	Focus Test		CTB							

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions Scattered Cloud: Haze + thin fog later. Fog thickens + Clouds 22:15

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0^h 05 W	44° 56′	2	2.97	B9.5	9	MK Stds Set 2. 1 count 7008-	
0^h 17 W	"	"	"	"	4-5	" Set 5 1 count 7011-7012	
					10/8		
						1 PA loaded	
						0 45 EST STILL fog - clouded over F	
		MC		SC	ME		
	Aug 23	+88.0		+0.5	+0.5		

Date Sun-Mon Aug 27-28/61 **Observer** DL - HV **Julian Day** 2437539.5
⊙ 154 26 49.9 3476.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
25759	HD 184467	19^h 29.5	+58° 24	I-12	IIaOB	.005	24.6	21:06	21:56	1
	Focus Test		OTB	(2nd Coat!)						
25760	HD 212943	22^h 22.8	+04° 12	I-12	IIaOB	.008	24.6	23:09	23:27	2
25761	HD 213014	22^h 23.4	+16° 46	I-12	IIaOB	.008	24.6	23:46	23:47	3
	"	"	"	"	"	.016	"	23:51	[illegible]	3

Dome Temp. 71

Focus

Dome Temp.

Transparency Conditions Scattered Cloud 4 hrs at Horizon 21:30 Cloudy (light) rolled over counts very low - then raining + returning Clearing to South 22:30

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS				Quality
$0^h 35^m$ W	+58° 28	0→1	7.5	K5	3-3-3	Std. Vel	Set 3	Scale 7-8 counts	7026 7034	
					10-8		Set 8			
$0^h 53^m$ E	+04° 25	1	5.9	K0	3-3-3	Std Vel	Set 3	Scale 6-4 counts	7035 7032	
——	+17° 03	0	8.5	G8	3 —	Std Vel	Set 3	Scale 8-25 counts	7040 7045	
[illegible]	+17° 03′	0	8.5	G8	3-6	Std Vel	Set 8	" "	7041 7072	
						2 P.H. [illegible]				
						[illegible]				
		MC		SC	ME					
	Aug. 29	+89.0		-1.2	+2.0					

Tue-Wed

Date Aug 29-30 1961 **Observer** [illegible] **Julian Day** 2437541.5

Plate No.	Object	R.A. ~~1900~~ (1961)	Declination ~~1900~~	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
1415-173	α Lyr				4,5,8	14		1958		
	Source				4,5+4,8			2016		
1416-173	⊕ M13	16 40.3	+36 32		7,6,40	28		2027		
	sky once							2054		
1417-173	⊕ M92	17 15.9	+43 11		7,6,40	28		2115		
	sky once							2133		
1418-173	R402+sky	16 52.2	+42 54		7,5,32	14		2155	+22:17	
1420-173	α Lyr				4,5,8	14		2302		
	Source	(60+16.2)						2319		
1419-173	110 Her	18 44.0	+20 31		6,5,16	14		2236		
1421-173	6 Peg	22 05.2	+25 09		6,5,24	14		2337		
1422-173	51 Peg	22 55.6	+20 33		6,6,32	14		0016		
1423-173	α Lyr				4,5,8	14		045		
	Source	(52+12)						103		
1424-173	R551+sky	23 15.2	-14 07		7,6,40	14		129 +	47	
1425-173	85 Peg	00 00.1	+36 50		6,6,24	14		217		

NB-NEW 1P21

Dome Temp. 73

Focus

Dome Temp.

Transparency Conditions O.K. but haze on horizon & all over. O^h – better – less haze. Gibbous ☽. 26

Hour Angle ~~End~~ middle	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
016E		4" (yellowish) ← (Dl agrees)			V=700	λλ5160 to 3430 on dial centering 3/4 off. centering ok	
see trace							
						Moved back 21^m in R.A.	
2^h 21 W						Moved back in RA to 3440	
3^h 25 + 3^h 29:			7.5	G0 V	Moved back 16^m in RA	Transparency is hazy. centering 1/2 off	
2^h 49 W						Image wobbles around considerably. centering 1/4 off - refocused	
2^h 14 W			4.7	F6 V	Use TC 24 next time.	centering 1/3 off.	
0 06 E			4.4	F5 V		Tried 6, 4, 16 for 6 m.	
0 16 E			6.2	G4 V		centering 1/3 off.	
4^h 32 W							
						(added Dy Iw)	
0^h 36 W + 0^h 38 W			3.6	sdF8		Field blocks (mostly so) Moon gives sky trace? Could be used (5.5.40). Sky not of good quality	
0^h 34 W			6.4	G5 V		Should use TC = 33? Possibly (7.5.33)	

cont'd

Date Aug 29, 1961 **Observer** Gg **Julian Day**

Plate No.	Object	R.A. ~~1900~~ (1961)	Declination ~~1900~~	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
	Looked at M31 + M32							2 50	3:05	
1426-173	v And	1 34.5	+41 13		6,5,24	14		3:19		
1427-173	~~E2 C1~~	2 26.0	+08 17							
	Source	(c2.c1 12)						4:00		

P 30.03 forecast

2 to 3h Some extinction evident. Some haze still on horizon.

Dome Temp. .....

Transparency Conditions .....

Focus .....

Dome Temp. .....

Hour Angle ~~End~~ Beg.	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						Nuclei almost stellar like, which is all I could make out. No structure or form appears.	
0 08 W			4.7	F8 V		centering ≈ 1/3 off.	
			4.3	B9 III		Not possible. Moon so close that reflection interferes. So looked at Moon. — near meridian.	
						Considerable extinction.	

Wed-Thu

Date Aug 30–31 **Observer** (Gg) Dl – F **Julian Day** 2437542.5

⊙ 157 20 45.9 3482.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
1428-173A	α Lyr				4,5,8	14		21:25		
25762	HD 154967	17h 28.5	155° 24	I-12	BaO3	.005	32.4	22:55	00:17	4
	Focus Test									
25763	HD 213014	22 23.4	+16 46	I-12	II-0Δ	.003	22.3	00:39	03:49	1

Low fog + uneven haze + scattered cloud

Dome Temp. 68°

Transparency Conditions [illegible]

Focus

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1h 15 W		4	0.0	A0 V		Very poor tracing! No Dry Ice. New 1P21 → #3	
1h 03 W	+58° 39'	0	7.5	K5	3-3-3	Std Vel Set 3 Scale 7-8 Counts	
2h 02 W	+17° 03'	0	8.5	G2	1-3-3	Set 1 Std Vel Scale 10 Counts	
4 PHI's Ended						00:30 [illegible]	
Neo is yellow						00:50 [illegible]	
						01:45 [illegible]	
						02:00 [illegible]	
						[illegible]	
						02:45 [illegible]	
						03:30 [illegible]	
						[illegible]	
						[illegible]	
	Mid	SD	ME				
Aug. 31	+89.2	-1.7	0.0				

Gg - Gg

Thurs - Fri

Date Aug 31 - Sept 1 1941 **Observer** F **Julian Day** 2437543.5

0 158 18 48.3 3484.3

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
2 5764	HD 212283	22 21.8	+20 12	3-12	IIaO	0.8	28.5	20 22	20 56	1
		α (1961) 8								
1429-174	α Lyr				4,5,8	14		2132		
1430-174	α Lyr				"	"		2149		
	Source	(22.5)			4,5,16 4,4,8			2207		
1431-174	⊕ M15+Sky	21 28.1	+12 00		7,5,40	28		2224	+2245	
1432-174	α Lyr				4,4,8	28		2307		
1433-174	α Lyr				4,5,8	14		2327		
	Source	(17)			4,4,8			2344		
1434-174	110 Her	18 44.0	+20 31		6,5,24	"		2353		
1435-174	α Lyr				4,5,8	"		0 43		
	Source	(11)			4,4,8			1 03:		
1436-174	35 Peg	00 00.1	+26 50		6,6,30	"		1 45		
1437-174	R30	1 05.6	+54 45		6,5,24	"		2 40		
1438-174	5' Cet	2 26.0	+08 17		6,5,24			3 18		
	Sources	(12)			4,4,8			3 36		

[focus at P 29.90]

Dome Temp. 81

Focus

Dome Temp.

Returned to 1P21 #2

21:30 — Clouds with a little haze on horizon.

Transparency Conditions Hazy [illegible] good

21.[illegible] [illegible] moving quite fast [illegible] — probably

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3 09 E	+04 29	0	5.9	A0	4½-	Set-3 S/V [illegible]	
(hr ∠ mid)						V=700 + CO_2 — 21:15	
1h 26 W		5"				base line rises a little.	
1 43 W (at L)							
						Thin band of cloud across S sky, just above 4° alt.	
0 34 E	(moved back in R.A.)						
3h 02 W						centering ½ off.	
						meant to be slit 14.	
3h 22 W						centering ½ off	
						From 1433 ab yr response of 1P21 has decreased. Source reading agrees	
3h 40 W			centering ½ off			23h 55 Bands of cirri high in SWPS. some above [illegible]	
			" ok				
4h 38 W						0h 30 — still cirri mainly in E.	
						1h 05 cirri in NE — also a general haze. — [illegible]	
						SECOND RATE PHOTOMETRIC NIGHT.	
0 14 W			6.4	G V		1h 50 — general haze + stratus low in S.W. (or smog)	
						1h 40 — added CO_2	
0 04 W			5.9	G VI		2h 50 — Cirri in N. Considerable extinction — [illegible]	
0 39 E			4.3	B7 III		Use 6.4, 16 centering ½ off	

(OVER)

Date Aug. 31 – Sept. 1, 1961 **Observer** Gg **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
1439-114	29 And.	1 34.5	+41 13		6,5,24	14		3 51		
								4 15		

≈ 3h30 O.K. but haze, rip in S. [illegible]

Dome Temp. .....

Transparency Conditions .....

Focus .....

Dome Temp. 72

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 46 W (middle)			4.7	F2 V		3h55 - cirri high in SE.	
Brief attempt to find Comet Wilson at α 3h20 +59. negative.							
						Cirri up from SW	
			MC		SC	ME	
	Sept. 1		+89.3		-1.8	+4.0	

Date Sun-Mon Sept 3-4/61 **Observer** DL (H) - H ✓ **Julian Day** 2437546.5

⊙ 161 13 07.1 3490.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.	Hour Angle Kind
25765	MWC 331 HD 192044	20^h 07.8	+26° 11	I-12	IIaOb	.008	28.9	21:12	21:26	2	0^h20
25766	MWC 361 HD 200775	21^h 00.4	+67 47	I-12	IIaOb	.008	28.9	22:13	22:55	3	0^h38
	Focus Test			O.T.B							
25767	MWC 381 HD 208682	21^h 52.9	+64° 52	I-12	IIaOb	.008	29.0	23:30	23:37	4	0^h17
	"	"	"	"	"	"	"	23:39	23:48	4	0^h2

[illegible]

Dome Temp. 81 °F

Transparency Conditions OK – hazed beyond Vega

Focus

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0h 20E	+26° 21	0.5	5.9	B8ne	3-3-3	Set 3 (Be Prog) Set 6 = 20 counts 7166 7167	
0h 38W	+67° 58	1	7.2	B3ne	3-3-3	Set 3 (Be Prog) Set 7 = 5 Counts 7166 7173	
						Set 8	
0h 17W	+65° 04	0	5.8	B3ne	3-3-3	Set 3 (Be Prog) Set 6 = 22 Counts 7176 7178	
0h 28W	"	"	"	"	3-3-3	Set 8 " " 2.0 Counts 7177 7183	

23:00 lightening every 20 or so.
23:40 bands of cloud from north.
— Visual Observation — first effect 7:30 ET
1 minute from Vega to Jupiter as
seen from Brantford – Wilson (Am Bel 7 Stellar
Place 3-3 Transition)

— at 00:00 from Elington overall W→E Transp
big slipper — both, fast, noticeable
Donavan 487-0038

Mon.-Tue

Date Sept 4-5, 1961 **Observer** Gg – **Julian Day** 2437547.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	R.I
1440-175	α Lyr				4,4,8	28		20 08		
	Source	(22)			4,4,8			20 30:		
1441-175	α Lyr				4,4,8	"		21 02		
	Source	(22)								
1442-175	⊕ M92	17h 15.9m	+43 11		7,5,40	28		21 33		
	sky once							21 52		
1443-175	⊕ M30	21 38.1	-23 22		7,6,40	"		22 29		
	sky							22 49		
1444-175	⊕ M2 + sky	21 31.4	-01 00		7,6,40	"		23 21 +	23 40	
1445-175	α Lyr				4,4,8	"		00 17 +		
	Source	(16)						00 34		
1446-175	α Lyr					"		01 05 :	1 23	
	Source	(16.5)						1 25		
1447-175	M31 - nucleus	0 40.6	+41 03		7,6,40	"		2 01		
	sky							2 21		
1448-175	ξ² Cet	2 26.0	+08 17		6,4,24	"		2 46		

Malton P 30.06 - 23h

Dome Temp. 76

Focus

Dome Temp.

Transparency Conditions 19h30 patches of cirri in zenith & in S.
20h30 – looks o.k., horizon o.k.
21h30 Clear apart for some junk low in S & N.
23h30 " " " " quick 5° to 15° alt in S & E.
1h30 " " " patches of cirri + haze low in S

38

Hour Angle ~~End~~ mid	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	V=700+CO2 – 19h30 REMARKS	Quality
0 17W		9"-10"!				trace evidences of thin cirri ? [illegible] — waited	
1h12W		8;0"				λλ 5160 to 3430 (1440 ditto).	
3h03W						Noise seems less than usual. at 7,6 + 7,5.	
						Seen two 2nd mag bolides in quick succession – Perseids ?	
0 23E						Had check field, to;. NB – used to use (8,5,40)	
0 21E						Added a little CO2.	
0h35 W + 0h37 (end)						Allowed 40s wait if TC=40. Cirri in N & Cirri in S.W. – 0h05 – rising ?	
4h22W		– poor trace –				Clock drags instead of pulling telescope. Pushed against spectrograph entrance 2/3 off. 0h40 – yes, cirri rising – a few degrees from α Lyr – patchy. – which killed 2nd attempted trace of α Lyr.	
5h16 W							
0 07W							
0 08W						Crescent ☽ above E horizon.	
						Should use (6,3,16) ← scrapped	

Date Sep 4–5, 1961 **Observer** — Gg **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
1448-175	Source	(17)			4,4,8			3 12		
	ξ^2 Cet				5,5,16	28		2 54		
1449-175	η Pis	1 29.4	+15 09		5,5,16	50		3 23		
1450-175	η Pis				6,5,24	10!		3 44		
1451-175	36 Per	3 29.7	+45 55		5,6,16	50		4 16		
1452-175	γ Geminorum	6 35.4	+16 26		4,6,16	28		4 53	5 07 approx	
	Source	(16+)			4,4,8			5 13		

Dome Temp. 68

Focus

Dome Temp.

Transparency Conditions 3h – clear except a little haze & some cirrus in intermittent in S.

40

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 45E						added a little CO_2 centering ok.	
0 40W		3-4"		G_8 III		image wiggles somewhat.	
1h 02W						centering ok ~~centering~~ 3/4 off.	To get the lines in spectrum
0 26E				F_4 III		" ok " 2/3 off.	
2h 55E!	– NO GOOD.					didn't center. " " .	Probably not worth the trouble. Twilight. – Thin haze here?
						2nd swing from top of big ladder – unsteady.	
				Sept. 5		MC SC ME +89.5 -3.2 00	

Date Tue - Wed Sept 5/6 1961 **Observer** MR - CI Hy **Julian Day** 2437548.5

Plate No.	Object	R.A. ~~1900~~ 1960	Declination ~~1900~~	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time - E.S.T.	P.H
1453-176	α Lyr	18h 35m.6	+38° 45'	Hy/x2	4,4,8	not 20		20h 00		
1454-176	V 380 Cyg	19h 49m.3	+40° 29	Hγ×1	6,4,32	"		20 37		
	"	"	"	Hγ×1	7,3,32	"		20 48		
	"	"	"	Hγ×2	7,2,32	"		20 54		
	"	"	"	"	6,4,32	"		21 27		
1455-176	HD 194839	20 24.9	+41 15	2×Hγ	7,5,40	"		22 13		
	"	"	"	"	7,4,40	not 40		23 13		
1456-176	HD 208947	21 56.2	+65 58	"	6,4,{40 32	"		00 04		
1457-176	HD 212455	22 01.5	+55° 46'	Hγ/d	7,4,32	"		00 [illegible]		
1458-176	BD +61° 111 = IC 1795	02h 23.2	+61° 57	Hγ/d	9,4,do	"		03 3[illegible]		

Dome Temp. 75

Transparency Conditions

Focus

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+38° 43'	—	0.04	A0V		Lick A [Extensive cirri at sunset	
	+40° 29'.5		5.6	B3		Lick B Hγ = 4342 on dial Hβ = 4840	
	"		"	"		Hδ = 4116] 2"/min, 1A/sec	
	"		"	"		scan 4260 - 4530	
	"		"	"			
			8.49	B0.5Ia		Lick B NF of 2 stars of = mag	
			"	"		" 1"/min, ½A/sec, slit 40 4400-4260	
	+61° 58'	5	6.3	B2V		" " " " "	
	+58° 02'	5	8.25	B5Ia		" " " " "	"
	+61° 57'	5	—	—		cloud at 10° in south 3:40	
note	initial testing					very little dry ice left!!	
	and 2 scans: 4750-5050						

Date Wed - Thu Sept 6 - 7, 1961 Observer Cg - F Julian Day ~~254~~ 2437549.5

⊙ 164 07 43.4 3496.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
25768	HD 213014	22 22.4	16 46	I-12	Ea OB	008	22.7	22:51	02:45	1
25769	HD 15784	02h 27.2	167 55	"	"	"	22.9	03:06	03:54	2
25770	HD 16066	03 26.1	163 26	"	"	"	22.9	03:39	04/~~03~~:21	3
25771.1	HD 26262	04 03.0	119 21	"	"	"	22.8	04:34	04:50	4
.2	"	"	"	"	"	"	22.7	04:53	05:04	"
.3	"			"	"	"	22.7	05:04	05:18	"
	Focus Test									

Dome Temp. 72

Focus

Dome Temp. 57

Transparency Conditions 20h - Cirri + stratus in NW + haze on horizon
20h 30 - cirri all over sky
23h 50 - much cirrus - but clear
01h 00 - [illegible]
02h 15 - [illegible] (but clear in Maj. north)

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality
						V=700 + GRon - 17h; CO2 in 20:15		
03:05W	+17 02	0	8.5	G8	3-3-3	Std Vel; Set 3; 02:15 [illegible]; 10 counts at set 8	7206; 7233	
00:22E	+68:10	0	6.77	F4 I	3-3-3	Set 3 w/ [illegible]; Scan [illegible] at set 7	7236; [illegible]	
00:33W	+67:50	0	7.7	F2 II	3-3-3	Set 3 " " " 5	7240; [illegible]	
00:10E	+19:28	0-1	6.4	K1	4½-4½	Set 2 Std Vel set 6 5 cons	7262; [illegible]	
00:15E	"	0-1	"	"	3-3-3	Set 4 " " 4 "	[illegible]	
00:02E	"	0	"	"	4½-4½	Set 7 " set 6	[illegible]	
					10-8	Set 9		
2 PN's	Loaded							
2+4	for		w/ fog					
						00h 14 [illegible] (Mv 2 [illegible]) [illegible]		
						for NW & SE - moving v. fast [illegible]		
						Some [illegible] left [illegible] E. W. instead of S pole.		
Cont! →	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	!!!! Several sparks when dome in motion.		

Date Thu-Fri Sept 7/8, 1961 **Observer** Hy **Julian Day** 2437550.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E
1459-177	α Lyr	18h 35.6m	+38°45'		4/4/8	28		19 48		
1460-177	α Cr B	15 33.0	+26 51		4/6/8	28		20 21		
1461-177	⊕ M13	16 40.3	+36 32		7/6/40	28		20 37	21:59	
1462-177	source	93.5			4/5/16	28		20 54		
1463-177	⊕ M75	20 03.5	-22 02		7/6/40	28		21:14	21:33	
				cloud						
1464-177	α Lyr	18 35.6	+38 45		4/4/8	28		22:30		
1465-177	Source	93.1			4/5/16	28		22:48		
1466-177	M57	18 52.1	+32 59		6/6/40	28		23 01	and 23:12	
1467-177	⊕ M15	21 28.1	+12 00		7/5/40	28		23:24	23:42	
1468-177	M31	00 40.5	+41 03		7/6/40	28		00:02	00:23	
1469-177	α Lyr	18 35.6	+38 45		4/4/8	28		00:50		
1470-177	Source	94.8			4/5/16	50		02:16	(lowest of [illegible] late)	
1471-177	16 Cyg A	19 40.5	+50 25		6/5/40	50		01:20		
1472-177	61 Cyg A	21 04.5	+38 27		6/4/40	50		01:50		
1473-177	i Peg	22 05.2	+25 09		5/5/16	50		02:19		

CONT'D !

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions ..... good

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
$0^h 10^m$ W			0.04	A0 V		no clouds except low in west.	
$3^h 36^m$ W			2.21	A0 V		centering good.	
$2^h 54^m$ W	2:47 W		6.8			second half of tracing: did not return to same height	
–			–			in blue part. Changed zero. Still strange.	
$0^h 09^m$ W	$0^h 07^m$ W		9.5	[illegible]		– second ½ considerably lower. Perhaps field shifted.	
						21:15: almost invisible clouds at 20° in S.	
$2^h 53^m$ W						21:29 · many more than [illegible] clouds all	
						over sky.	
						(20:45 Dr Heard and Mr [illegible] visitors)	
$0^h 54^m$ W						22:30 cloud still in SW. at 50°.	
$1^h 39^m$ E	$1^h 36^m$ E					23:11 (very bit of) cloud at 22° in S, otherwise	
$5^h 14^m$ W						clear. later: all clear.	
						centering fair ⊙	
$4^h 37^m$ W	centering good	and	6.26	G2 V		preceding star (stopped clock), slight H, E N	5
$3^h 43^m$ W	" "	"	6.38	K5 V		" both, bright	
$3^h 13^m$ W			4.4	F5 V	centering not checked.	" N	

Date Cont'd **Observer** Hy **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
1474-177	η Cas	00 46.7	+57°36'		5/5/16	50		2:45		
		← overflowed		try again:	5/4/16	50 →		2:50		
1475-177	54 Psc	00 37.3	+21 03		6/5/32	50		3:17		
1476-177	M 32	00 40.5	+40 39		7/6/40	28		3:50	4:11	
1477-177	NGC 205	00 38.2	+41 28		8/5/40	28				
1478-177	Source	54.2 m sec.			4/5/16	28		4:32		
1479-177	α Cet	03 00.2	+03 56		5/4/16	50		4:41		

Dome Temp. .....

Focus .....

Dome Temp. 66

Transparency Conditions ..... fair - good

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
no good			3.5	G.V		small diaphragm used as double.	
1h02m W	centring good at end	small					
1h39m W	centring poor at middle,		7.1	K.V		03:00 still all clear. stiff very low in SW. good at end. Sky test negative.	
2h07m W	2 08m W						
too poor — see trace.				a poor object		centring poor at middle, good at end. / thin dawn-cloud just above Venus, 4:30	
0h40m			4.17	M2III		Very red (orange) visually.	
centring fair at middle) " good ;" end						dawn light reveals light clouds to S at 50°, 4:00 long have they been there?	
→ Sky test negative						image of star was 5-7" at beginning of night, → 10" at end. almost no muscle down sides, bright, esp. at beginning of night. very good.	

Fri - Sat

Date Sep 8-9, 1961 **Observer** Gg **Julian Day** 2437551.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
1480-178	α Lyr				4,4,8	28		1946		
1481-178	α Cr B	15 33.0	+26 51		4,6,8	"		20 09		
	Source	(23)	T75		4,4,8+5,8			20 28		
	⊕ M71	19 51.9	+18 41					2040-50		
1482-178	⊕ M75	20 03.5	-22 02		7,6,40	"		21 10	+ 2131	
1483-178	⊕ M30	21 38.1	-23 22		7,6,40	"		22 01	+ 2021 to 2251	
1484-178	⊕ M2	21 31.4	-01 00		7,6,40	"		23 06	+ 2327	
1485-178	α Lyr	(23)	T72		4,4,8	"		00 00.5	to 0018	
	Source				4,4,8			00 23		
1486-178	⊕ M15	21 28.1	+12 00		7,5,40	"		1 07		
1487-178	85 Peg	00 00.1	+26 50		6,5,32	14		140		
1488-178	α Peg	23 02.8	+14 59		4,6,16	28		207		
	Source	(23.5)	T70		4,4,8					
1489-178	M31 Nucleus	00 40.6	+41 03		7,6,40	"		237		
1490-178	"				"			3 28		

Dome Temp. 76

Focus

Dome Temp.

Transparency Conditions 19h30 O.K. but cloud + haze on horizon.
2100 – Clear
22h – Good – tho' cloud very low on horizon.
1h – Excellent. (a bit of haze on horizon)

50

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	CO2, V700, GR 19h10 REMARKS	Quality
0h11W		7" poor					
3h38W		5"				by far the brightest lights from golf driving range.	
						} { center is of faint stars, brighter ones on periphery. Cluster is so loose can see individual stars in photometer eyepiece.	
0 08W	+ near 7 0 09W					Dark current at 8,5,40 too lge – so decided not to take. Spikes present. photomet. box leaks more light than it did a mo. ago.	
0 34E	+ { mound back 19m { See trace. Renewed Chart.					pos: ? 5,40 use? Searchlight in SSE.	
0 36W						23h40 – added CO2	
4 26W						Pushed Spectrograph.	
						break	
2h41W							
0 43W		2"-3"	6.4	F, V		It just goes off scale of GR at (6,6,32) centering good	
2h07W			2.47	Ba, III		Wisps of cirri in S., black stratus low in N. otherwise clear. 2h10 centering 1/2 off; centering 1/4 off ok.	
	NO-GOOD					2h40 – Patches of cirri overhead + beside M31.	
1 50W	– ?	BOGOOD THIN CIRRI ALL OVER				trace is noisy? Most of cirri now in S.E. – back in S+SW also	

– M31 seems too faint to take a spectrogram of?

51:

Date Sept 9/10 Sat/Sun 1961 **Observer** [illegible] - F **Julian Day** 2437552.5

0 167 02 36.8 3501.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	
25772	HD190658	20 00.8	+15° 13'	12"	IIaO	.004	27°C	21h 30m	22h 15m	
25773	HD213014	22 23.4	+16 46	I-12	"	"	27.1	22 29	00 01	5
25774	HDE235783	22 13.4	+54 00	"	"	"	27.2	00 15	01 11	5
25775	HDE235825	22 19.7	+54 49	"	"	"	26.8	01 19	03 51	4
25776.1	HD 28497	04 24.5	-13 17	"	"	"	26.8	04 08	04 22	1
.2	"	"	"	"	"	"	"	04 23	04 39	1
.3	"	"	"	"	"	"	26.8	04 39	04 47	1
	Focus Test									
								3 pl's	Ended	
									[illegible]	

Sep 10-11/61
Very hazy - 19h 40
can only see 1st mag
stars
— [illegible]

21h nearly
haze - quite
[illegible]

Dome Temp. 76

Focus

Dome Temp.

Transparency Conditions thin Cirrus

00 00 excellent.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1h10m W	+16°22'	0(1)	8.0	gM2	4½+4½+4½	284 – 314 vdB (SB) IHR 7680	
0h33m W	+17°02'	0-1	8.5	G8	3-3-3	SE Vel Set 7 dbl 30" 30% brighter Set 8 30 counts	7320 7330
APPROX 0h01m 41s W	+54 18	0	8.8	B, I6	3-3-3	OB p20 Set 3 Set 9 45 counts	7354 7359 7395 7398
04 28 W	+55° 03	0	9.1	O9 V	3-3-3	OB p20 Set 3 Set 9 45 counts	7-80
01 06 E	-13° 09	-1	5.5	B3 a	9	Set 2 Belopram	
00 49 E	"	"	"	"	9	Set 6 MWC 86	7424 7426 7436 7437
00 41 E	"	"	"	"	9	Set 9	
			5.7	A2	10/8	Set 1	

02:04 [illegible] very minus DAE [illegible] N side.

25714: [illegible] Set 9 = 7703. F

	MC	SC	ME
Sept. 11	+90.0	-4.3	-2.0
Sept. 13	+90.0	-3.0	0.0

180 Variables

β Cyg Shown

Date Wed Sep 13-14 1961 **Observer** Hd. Thackeray **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
								22 10.		

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						Sem 7 7442	
						Clouds.	
			Oct 2				
		MC		SE	ME		

Fe = J. D. Fernie

Date Fri Sept 15-16/61 **Observer** VB Hd Fe — H.S. **Julian Day** 2437558.5

⊙172 53 ~~[illegible]~~ 11.6 3511.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25777	Y822 Aql HD183794	19 26.1	−2° 19′	25″	IIaO	.008	17.0° ~~16°C~~	20 05	21h 05m	1
25778	HD190058	20 00.8	+15° 13′	25″	IIaO	.016	17	21 10	22 50	2
25779	HD 217312	22 54.4	+62° 22′	25″	IIaO	.008	17	23 12	00 42	3
	Fe-Fed		OTB							

Dome Temp. .....

Focus 15.43

Dome Temp. .....

Changed to I-25
I-12 was Focus 12.69, Tilt 20.35
Set I-25 Focus 15.43, Tilt 23.18

Transparency Conditions Fine

0035 Cloud from NW

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0h57m.5	−2° 12′	0	6.68	B8	6+6−6	Set 5 Ecl Bin (Hd) = V822 Aql Sens 7 ζ447 7454	fuzzy
2h08m.W	+15° 23′	0	8.0	gM2	6+10+6	HR 7680 vd B (SB)	fuzzy
2h10m.W	+62 52	0	7.8	B0 IV	6+6−6	Hd (SB) also II Cep HR 7527 − 1562	fuzzy
					15/10	Set 9	

P.H. in Trig.

Dim Light on Exp 17 does not work
Need new Flashlight Battery

Sat - Sun

Date Sep 16-17, 1961 **Observer** F (G) (Fd) F **Julian Day** 2437559.5

0 173 51 43.2 3513.3

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25780	HD217312	22 54.8	+62 32	I-25	IaO6	.008	16°C	21 36	00 58	4
25781	MWC 409 HD225075	23:58.3	+55:00	I-25	IaO6	008	15°.4C	01 07	02 21	1
25782	MWC 407 HD224559	22 53.8	+45.53	"	"	"	15°.6C	02 27	03 07	2
25783	BD +41° 3212 HD 15184	02 27.2	+07 55	"	"	"	15°.5C	03 28	04 02	3
25784	MWC 82 HD24820	04 05.7	+41 52	"	"	"	15°.5C	04 13	05 :25	4
	Focus Test	0:C								
		0:A								
										!!

Dome Temp. 53
Focus 15.43
Dome Temp. 50

Got F
190 Visitors
Showed β Cyg & M92

Transparency Conditions Clear

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 27W	+62 51	0-1 varying	7.8	B0 IV	6-6-6	Set 3 Hd-SB see NOT ↓ zens 7	7566 7611
01 45W	+55 17	1-2	7.6	B1e	6-6-6	Set 3 Be Program zens 7-19	7572 7631
02 37W	+46 09	0	6.5	B3ne	6-6-6	Set 3 Be Program zens 6-8	7632 7640
00 51W	+68 10	0	6.8	F4 II	6-6-6	Set 3 Vdl High luminosity zens 6-9	7641 7650
00 42W	+41 58	0(-1)	7.6	B3iek	6-6-6	Set 2 Be Program zens 7-19	7651 7660
					15/10	Set 5	
					15/10	Set 2	

Finish: The automatic switch on the spotter is not working - it could be junction around 04:00 hrs

IPH loaded 4+2 in box

Spotter [illegible]

Note: [illegible] should be at zens 8 NOT 7 [illegible] V. [illegible]
count 15x at zens 7!

03:25 Sky milky Rf [illegible] V. [illegible]

1961

Date Sun-Mon Sept 17/18 **Observer** Hy-Hy **Julian Day** 2437560.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
1491-179	α Lyr	18 35.6	+38° 45'		4/4/8	28		19:45	20:01 Second half	
1492-179	α Cr B	15 33.0	+26° 51'		4/6/8	"		20:15		
1493-179	source	(89.0)			4/5/16	—		20:33		
1494-179	R 513	21 10.2	+17 35		7/5/32	14		20:47		
1495-179	51 Peg	22 55.6	+20 33		6/5/24	14		21:30		
1496-179	R 551	23 15.2	-14 07		~~/ /~~	~~14~~				
1497-179	α Lyr	18 35.6	+38 45		4/4/8	~~28~~ 14		22:26		
1498-179	source	(89.1)			4/5/16	~~28~~		22:45		
1499-179	R 536	22 15.3	+12 42		7/4/32	14		23:06		
1500-179	α Lyr	18 35.6	+38 45		4/4/8	28		23:36		
1501-179	source	89.1			4/5/32	—		00 02		
1502-179	α Lyr	18 35.6	+38.45		4/4/32	14		00 41		
1503-179	source				4/5/32	—		00 51		
1504-179	85 Peg	00 00.1	+26 50		6/5/24	14		01 02		
1505-179	R 30	1 05.6	+54 45		6/5/32	14		01:31		
1506-179	ν And	1 34.5	+41 13		6/4/32	14		02:10		

Dome Temp. 59

Focus

Dome Temp.

Transparency Conditions

Got dry ice Sun. evening – Hy.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0^h46^m W		7	0.04	A0 V		some cirri in northern sky at sun-	
4^h19^m W		7	2.21	A0 V		set. south looks OK.	
0^h44^m E			7.89	F9 VI		HV ! guiding terrible at middle.	
1^h47^m E			6.2	G4 V		MK ! " OK " end.	
						" fair " middle	
			8.6			← NOT DONE – TOO LOW AT THIS TIME	
3^h28^m W						(The telescope would not clamp in RA and the tool	
						was missing. Had a great time doing it with a	
0^h28^m W			7.6	G2 V		wrench. Found (finally) and replaced tool.)	
4^h44 W						Error: α Lyr taken at slit 14 second	
						time instead of slit 28.	
5^h43^m W						1499-179 finder field:	
0^h39^m W			6.4	G: V		HV !! Ol: is all very clear – has been too,	
0^h04^m W			5.9	G8 VI		HV !! but smoky in far south.	
0^h13^m W			4.7	F8 V		MK !!	

Date cont'd **Observer** Hy **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
1507-179	HD 10307	1 39.4	+42 26		6/5/32	14		2:34		
1508-179	R 65	2 36.3	+30 40		7/5/32	14		2:57		
1509-179	δ Tri	2 14.5	+34 03		6/5/32	14		3:24		
1510-179	R 73	3 06.1	+26 12		7/5/32	14		3:47		
1511-179	Source	ok			4/5/32					
1512-179	K Cet	3 17.3	+03 13		6/5/32	14		4:17		
1513-179	⊕ M 79	5 22.6	-24 33		~~11~~	28				

Dome Temp. .....

Transparency Conditions .....

Focus .....

Dome Temp. .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0^h33^mW			G2 V	5.6		MK !! dead clear	
0^h00			G, V	7.92		HV !	
0^h48^mW			G0 V	5.6		HV !	
0^h19^mW			sdF7	8.52		HV !!!!	
0^h38^mW			G5 V	5.7		MK	
			dF3	8.4		tried but poor – no tracing mate.	
						Dawn + cirri	
				dept	18	MC +96.2 SC -5.4 ME -4.0	

Hd

Date Mon Sep 18-12/61 **Observer** ..... **Julian Day** .....

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
25785	V822 Aql. HD183794	19 26.1	-2 19	I-25	IIaO B	016	20.0	1927	20 17	1
	Focus Test					008				
		"	"			016				
1514-180	HD196025	20 32.6	+6 45	Hβ x4	6,4,32	set 20		21:04		
1515-180	HD201254	21 06.1	+14 31	Hβ x2+	"	"		21:33		
25786	LD 217312	22 54.8	+62 32	I-25	IIaO B	008	19.3	22 14	23 32	2

Dome Temp. 66F

Focus 15.49

Dome Temp.

Transparency Conditions

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
W 21m	−2° 12	0	6.69	B9	4-4-4	~1.2 Hd Sel Bin. vns 7 7673 7689	
				"	[?]	" 5	
						" 8	
	+6° 44′	7″	6.82	B2 V		DAO-Radcliffe 1A/sec, 2″/min	
	+14 30	"	6.89	B5 V		" " " " Obs at end in 5½ sky	
W 9m	+62 50	1	7.8	B0 IV	6-6-6	Hd Sp. Bin. Cir de fort tm vns 7 7692 7707	
	Sept 20.	MC +90.4	SC −7.0	ME −7.0			
						(? PH 4/+)	

Wed - Thu

Date Sep 20 - 21 / 61 **Observer** Gg - H **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
—	α Lyr				4,4,8	28		19:24		
25727	HD 183794	19 26.1	-02 19	I-25	IIaO	.016	22.3	19 49	20 45	3
	Focus Test					.016		ITB / OTA ← NE		
	"					.008	22.3	OTB		
1516-181	α Lyr	(1961)			4,5,8	14		21 58		
1517-181	ι Peg	23 05.2	+25 09		5,6,16	"		22 28		
2		Moving time w. 1 [illegible]					≈	22 50		
25728	HD 221914	23 31.0	+17 53	[illegible]	IIaO	.008	22.1	23 41	0411	4
	Focus Test OTB									

Dome Temp. 67

Focus 15.52

Dome Temp.

Gibbous ☽

Transparency Conditions: 19h20 Cirri high in SE. Uneven, cut in E. 20h20 - cirri rising in SW. 21h - patches of cirri all over sky.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						uneven ; cirri. cut short.	
0h57 W		0" poor	6.68	Eq	4-3*	Set 3 Md-Ecl-B [* - forgot] same exp.	fine
				⊕	15/10	Set 5 ⊕ - should be ½ this expo.	
					15/10	Set 9 21h45 dew forms & drips in [illegible] some haze in S & W, [illegible]	
3h11 W (mid)		5"				centering poor | 22h20 a little thin cirri in SW & SE. Not truly photometric.	
0h12 W						23h - scattered cirri - [illegible] ty. quite damp	
04.19 W	+18.15	1	8.33	G-T	6-6-6	Se - HV Same 57713 17271	fine OK
					15/10		
						3 P.H. [illegible]	
						Very [illegible]	

Date Thurs Sep 21-22/61 **Observer** Nd - H-S **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	H
25789	HD 217312	22 54.8	62 32	I-25	IIaO B.	008	24.1	2135	2345	1
	Focus test	OTB								
25790	HD 218393	23 02.6	49 40	"	103aO	"	24.2	0015	0057	1
25791	HD 6343	00 59.4	65 26	"	"	"	24.2	0109	0217	4
25792	" 21650	03 24.6	41 25	"	"	"	24.1	0316	0414	1
	Focus test	OTB								

Dome Temp. 70F

Focus 15.55

Dome Temp.

Transparency Conditions Very poor, cloud & fog.
0220 Cl.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
4) 23m	62 50.	0-1	7.8	B0IV	6-6-6	42 Hd Bin. Hazy nms & 7775	fuzzy
					16/10.	set 8	clear
0137W	47 52	0-1	6.8	A4e	4-4-4	" 5 Hd Be #7 7236 7247	good
0237W	65 44	0	7.1	B5eβ	4-4-4	" 5 " #7 7842 7862	weak
0332W	41 33	0-1	7.2	B5ne	4-4-4	" 5 " " #7 7854 7875	weak
					12/8	" "	
						P.H. = 2+3 Loaded II-06 ([illegible]	
						[illegible] (12) 1030 [illegible]	
						Dirt on slit.	
						Frank fix the iris lights on the open side OK.	
						[L cleaned slit Sep 27 - pm G. test sky spectrogram is A-OK.]	

Fri-Sat

Date Sep 22-23/61 **Observer** Gg - F **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	Pl
1518-182	αCrB				5,5,8	14		1927		
1519-182	αLyr				4,5,8	"		1949		
	Source				4,5,8,8			2007		
	Linearity tests + Source (55) & then (47)					(also tried field at 20:50 EST)				
25793	HD217312	22 54.8	+62 32	I-21	IIaEb	.008	24.4	22 12	2340	2
25794	HD221911	23 31.0	+17 53	"	IIaO	"	24.4	00 01	05 37	4
	Four Feet									

Dome Temp. 76

Focus 15.55 (left as found)

Dome Temp.

Transparency Conditions

19h – clear apt for thin cld in S. + unknown fog on horiz?

20h – Fair – horizon clear of clouds. 70 but not haze

20h50 { some thin stratus in SW + a little cirri overhead. + cirri in N.

21h20 – bands of cirri high in N + W + not place – NON-PHOTOMETRIC

Hour Angle ~~End~~ mid	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						CO2, GR, V706 ≅ < 19h	
3h50 W		4" fair				centering ok	
1h09 W		4" fair				"	
						should use 4, 5, 16	
						23h – Much cirri all over, 22° halo too).	
0h32 W		-1	7.8	B0 IV	5-3-4	Set 2 Hd-Sp B	
	+18 12	1-0	8.3	G5 V	6-6-6	Set 3 Sp-K1	
					15/10	Set 8	
	2 PH	Crooked		103a O			
NB	2 PH	"		II O 6	NB#2	has section of set 2	
	Sept 26	MC +90.5	SC +12.3	ME -7.2			

Date Tues Sept 26-27/61 Observer L. Gg - Gg Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
25795	HD. 183794 (V 822 Aql)	1926.1	-02 19	I-25	EIIAO	Set .016	16.2	19 08	19 44	2
1520-183	Source	(33)			4,4,8					
1520-183	110 Her				6,4,24	14		20 12		
1521-183	Source	(31)	(34.5)					20:32		
	α Lyr	Linearity tests		24600						
1522-183	α Lyr				4,4,8	14		21 21		
1523-183	ι Peg	22 052 (1961)	+25 07		6,4,24	"		21 44 (deduced)		
1524-183	α Peg	23 02.8	+14 59		5,4,8		24600	linearity tests.		
1525-183	R551	23 15.2	-14 07		7,6,40	"		23 15		
1526-183	ξ Peg	22 39.5	+10 37		5,5,8		24600	linearity tests		
	Source	(18)			4,4,8					
1527-183	K And	23 38.5	+44 07		5,6,16	28		00 22		
1528-183	"	"			5,6,16	14		00 41		
1529-183	85 Peg	00 00.1	+26 50		6,6,32	"		1 09		
1530-183	ξ Cet	2 36.0	+08 17		6,5,16	"		2 02		
	Source	(18)						2 23		

Dome Temp. +60°F, 55, 51

Focus 1543

Dome Temp.

Transparency Conditions Good

20h – Clear all over & on horizon

0h – All clear. – dawn – a little general haze

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 20W	-02 13	0	6.68	B8	3-3-3	Set 6 Ecl. Bin Nd.	good ~~not well set up?~~
Hr Ang Mid						At 6,6 - Seems to be many spikes. D up.	
1h41 W		poor 5"				centering ok " 1/3 off - ok λ5160 to 3440	
2h58W						chased light in clock lamp	
—						centering ok.	
			2.47				
			8.6	sd F8		Noisy & bright gibbous bri D – hence didn't take	
			3.32			← Dry Ice added	
		poor 5"	4.33	A0			
0h57 W						centering 1/2 off " ok (ok) 1/3 off - ok ok	Went off scale use TC 343
1h15 W							
1h21 W			6.4				
0 11 E						Moon so near it lights up x hair in Finder & 74"! Sky due to Moon! – tho' cl.	

73

Tue - Wed

Date Sep 26-27 '61 **Observer** Gg **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
1531-183	δ Tri	2 14.5	+34 02		6,524	14		2 43		
1532-183	HD10307	1 39.4	+42 26		"	"		3 13		
1533-183	K And	23 38.5	+44 07		5,6,16	"		3 44	401	
1534-183	"	"			"	28		409	426	
	Sunset	(19)						428		
1535-183	δ Gem	6 35.4	+16 26		5,4,8	28		4:41		

Dome Temp. 49

Focus

Dome Temp.

Transparency Conditions Clear → Gibbous ☽ with a little haze.

4h30 - same as above + a little clouds.

Hour Angle ~~End~~ mid	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 41 W						~~center~~ ok not edge-not good. | -ve test for sky on G.R.	
1 47 W			5.6				
see trace						2/3 of ? | Telescope out of Plane.	
"						" Pushed against trapping.	
						ok	
1 40 E							
		MC	SC	MC			
	Sept 27	+3.0	-14.3	-3.0			

+ students IV yr. Div IV

Date Wed Sept 27-28/61 Observer ~~Hd~~ F Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
	V 822 Aql.		19 N 55				(?)			
25796	HD183794	19 26.1	-2 ~~12~~	I-25	IIaO B	012	+19.1	19:22	20 18	3
25797	Jupiter	19 58.2 (1961)	-21 21	"	"	short 008	18.1	20 44	20 48	4
	"									

Dome Temp. 61

Focus 15.45

Dome Temp.

Transparency Conditions Good

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
W 56m 50m	-2 11	2-1	6.68	B8	4-6-4	Set 2 Tel. Bin Hd. sens 7 8025 8041	good
	?	0		G2V	18	Set 1 East limb sens 4 4 cto	good
					18	Set 4. West " sens 4 4 cto	
						Focus on the not needed. C E R	

Date Fri, Sep. 29-30/61 **Observer** vdB & Fe (vdB (Franklin)) **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
25798	HD 183794	19 26.1	-2 19	I-25	IIaO-B	008	14.1	19:00	20:10	1
25799	HD 190158	20 00.8	+15°13'	I 25	IIaO-b	016	14.3	20.17	21:37	2
25800	HD 217312	22 54.8	+62 32	I-25	IIaO-B	016	14.2	22:02	23:10	1
25801	HD 224930	00 00.1	+26 50	I-25	IIaO-B	008	14.2	23:29	00 15	4
25802	HD 15784	02 27.2	+67 55	I 25	IIaO-b	008		00 30	01 30	3
25803	HD 16066	02 29.8	+67 38	I 25	IIaO-b	016	14.0	01 39	02 39	4
	Lacey Star									

Dome Temp. 54

Focus 15.41

Dome Temp.

Transparency Conditions thin Ci; +14.00" (Lutwyche)

Mirror Washed

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0h 58m W	−2° 13′	0-1	6.68	B8	4+4+4	v 822 Aql. SB Heard	good
1h 59m W	+15° 23	0+1	8.0	g M2	6+6+6	vdB SB = HR 7680 Nb. plate spotted unevenly	
0h 30m E	+62 50	0(-1)	7.8	B0 IV	2+2+	Also III Cep SB Heard (No numbers, scratched on plate)	
0h 33m W	+26 53	0	6.4	G2 V	4+4+4	85 Peg Se Hv	
0h 45m E	+68° 09′	0	6.77	F4 II	4+4+4	vdB Cephei plages	
0h 20m W	+67 51	0	7.7	F2 II	2+2+	Sr 2′	

2PH+2

Exp 17 not working Sat 3

Date ~~Sat~~ Sun Sept 30/31 1961 **Observer** F Hy **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
~~25804~~	HD 217312	22 54.8	+62 32							

Dome Temp. 66

Focus

Dome Temp.

160 Visitors:
Showed Film, "The Solar Family" and slides.
Demonstrated the 74" telescope.

Transparency Conditions Extremely hazy

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						Sky too thick now.	
						21:30 worse. closed up.	
	Oct. 3	MC	SC	MG			
		+6.0	-22.0	-0.2.			

Date Tues Oct 3-4/61 **Observer** L- H v **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
25804	H.D. 217312 MWC 13	22 54.8	62 32	I-25	E III AO	set .008	+9.9	22 57	23 17	1
25805	HD 9105	01 24.6	62 51	"	"	"		23 45	02 41	2
25806	MWC 65 HD 2[illegible]	03 09.9	48 17	"	"	"	9.9	03 11	04 31	3
	[illegible]	[illegible]	0713							
25806 F	Focus Test					008	8.5	16:16		1
0:04						"				
[illegible]						"				

Dome Temp. +44 °F

Focus 15.35

Dome Temp.

Transparency Conditions

0145 Clouds
0335 More Clouds

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 53 W	62 50	0	7.8	BcIV	6-6-6	Set 5 Dble Line Rin.	Lovely
0 145 W	63 06	0	7.5	BSe	6-6-6	Set 5 Be pecg. Ems 8 (3106 (3145	
1 22 W	48 32	00	7.7	BIIIe	6-12	" 3 " " " 8 (3117 (3157	
					22/15	" 3	
						1 H. +12° in Dec	
						Should Mirror Not be on??	
					16/12	Set 2 Focus 15.35 OTB	
						Set 6 Focus 15.31 "	
						Set 9 Focus 15.33 "	

Date Fr/Sat Oct 6/7 1961 **Observer** [illegible] **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	I
1536-184	δ Cyg	19 43.7	+45 02	5/4/7		28		18h46	2x	
1537-184		Source		5/4/40		28		19h04		
1587-184	δ Cyg	19 43.7	+45 02	5/5/7		14		19 10	2x	
1588-184		Source		5/4/38		28		19 25		
1589-184	M15	21 28.1	+12 00	7/5/40		28		19 37	2x+15s	
1590-184	M2	21 31.4	-01 00	7/6/40		28		20 13	2x+25s	
1591-184	M30	21 38.1	-23 22	7/6/40		28		20 55	2x+2m	
1592-184	Source									
1593-184	Roman 513	21 10.2	+17 35	7/5/32		14		21 54	2x+15s	
1594-184	51 Peg	22 55.6	+20 33	6/5/24		14		22 30	2x	
1595-184	δ Cyg	19 43.7	+45 02	5/5/27		14		23 05	2x	
1596-184	M32	00 40.0	+40 36	7/6/40		28		23 41	2x+5s	
1597-184	M31	00 40.3	+41 02	7/6/40		28		24h00m 00h15m	1x 2x	
1598-184		Source		5/4/40		28		00 35		
1599-184	ν And	01 24.1	+41 11	5/5/7		50		00 50	2x	
1600-184	ξ² Cet	02 26.0	+08 17	5/5/7		28		01h15m	2x	
1601-184	Source			5/4/40		28		01h35m		

Source reduced & assume

Dome Temp. 68°F

Focus

Dome Temp.

Transparency Conditions Perfect per month!

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0h 10m E			2.85	B9.5 III		ext. ST.	
	65.5° F					← NB a jump of 50 in numbers. Cg.	
0 15m W							
	64° F						
1h 00m E	+ 1h 00m E						
0h 26m E	+ 0h 26 E						
0h 15m + 0h 15m W	62°F						
1h 33m W	+ 135 W		7.89	F9 VI		poor centering	
0h 30m W			6.2	G4 V			
4h 12m W			2.85	B9.5 III		ext. STW Fades away, NOT Drift!	
0h 15m E							
0h 11m W sky							
0h 25m W							
		58° F					
0h 05m W			4.18	F8 V			
0h 20m E			4.27	A0 V			
		57° F					

Date Fri/Sat Oct 6/7 cont **Observer** v.B **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	F
1602-184	ξ^2 Cet	02 26.0	+08	17	5/6/7	14		01h 35m	2x	
1603-184	δ Tri	02 14.5	+31	03	6/5/24	14		02 03	2x	
1604-184	R 73	03 06.1	+26	12	7/5/24	14		02 33	2x+15m	
1605-184	M 79	05 27.6	-24	33	1/10	28		03 12	2x+25m	
1606-184	ξ^2 Cet	02 26.0	+08	17	5/5/7	28		03 52	2x	
1607-184	Sunset				5/4/10	28		04 04		
1608-184	ξ^2 Cet	02 26.0	+08	17	5/6/7	14		04 13	2x	

Dome Temp. .....

Transparency Conditions ....perfect!....

Focus .....

Dome Temp. ....57°F

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0h00m			4.33	A0V			
0h40m W			5.6	G0V		Zero changed during UV to get entire trace on scale.	
0h20m W			8.52	Sc1	F7		
1h20m W + 1h20m W							
2h15m W			4.33	A0V			
		57°F					
2h38m W			4.32	A0V			

Date Oct 9/10 7-8/61 **Observer** Hd - F **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
25807	HD 217312	23 54.8	+61 32	I-25	IIaO E	005	21.0	21 13	22 31	4
25808	SZ Per	23 08.3	+2° 08	"	"	"	21.0	23 40	01 08	1
25809	HD 12102	01 51.0	-17 12	"	"	"	21.0	01 22	02 56	2
25810	HD 29266	04 47.4	+23 34	"	"	"	21.0	04 04	04 36	3
25811 "	HD 30102	04 37.7	+21 05	"	"	"	"	04 45	04 40	4
"	"	"	"	"	"	"	"	04 47	04 [illegible]	
"	"	"	"	"	"	"	"	04 [illegible]	04 33	
25812	HD 51221	06 57.2	-11 09	"	"	"	"	05 09	05 12	1
"							20.8	05 [illegible]	05 50	1
	Focus Fat									
	see Oct 9-10	do								

Dome Temp. +62 F

Focus 15.50

Dome Temp. +60° F

Transparency Conditions Excellent!

Hd + F 180 visitors Thomas Rep Ret.

02:30 Cirrus in S.W. [illegible]

03:00 Fair count time what it was - much haze - hy.

5:30 Check clouds allow [illegible] esp in S.E.!

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS			Quality
W22m	62 51	1	7.8	B0IV	6-6-6	ret 2 Hd Sf Bin	seeing 7	8180 8200	fine
2 45 W	+20° 27'	1-0	3.7	G5	6-6-7	ret 2 Hd Sel Bin	seeing 8 55 counts	8202 8257	[illegible]
2 45 W	+59° 27.5'	(1)0	4.2	B3e	6-6-6	ret 3 Be MWC 23	seeing 8 45 counts	8251 8324	[illegible]
0 44 W	+40° 42'	neg 1	6.1	B4ne	6-6-6	ret 3 Be MWC 88	seeing 6 7 counts	8306 8313	[illegible]
	+21 07	0	3.0	B3e	18	ret 2 Be MWC 115	4 counts seeing 4		[illegible]
	+21 07	0	"	"	18	ret 6	3 counts seeing 4 3.5 counts		
0 27 W	+21 07	0			18	ret 9	seeing 4		
	-11 17	0	5.6	B3e	4	ret 2 WRONG STAR ?? MWC 164	seeing 6 7 counts	8325	Tedious
0 0 E	-11 17 ?	0	"	"	6-12	ret 5	seeing 6 7 counts	8324 8350	OK
					16/12	ret 9 OTO			
	Flag: [illegible]					note light - not working			
	3 PM's Ended - fading								
						23:10 v. bright meteor [illegible]			

Date Sun / Mon Oct 8/9 1961 **Observer** Hy - Hy **Julian Day**

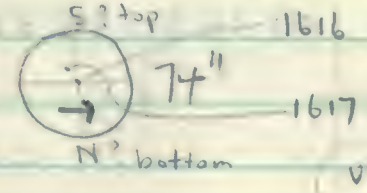
Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1609-185	Lin. α Lyr	18 35.6	+38 45			10-40,	10-40	19 15		
1610-185	110 Her +5	18 44.0	+20 31		5/5/8	50		20 00		
1611-185	⊕ M 30	21 38.1	-23 22		7/6/40	28		20 35	20 54	
1612-185	⊕ M 2	21 31.4	-01 00		7/6/40	28		21 22	21 41	
1613-185	⊕ M 15	21 28.1	+12 00		7/5/40	28		22 09	22 28	
1614-185	K And +5	23 38.5	+44 07		5/5/8	28		22 ~~47~~ 50		
1615-185	L Peg	22 4.9	+25 07		5/5/8	50		23 13		
1616-185	61 Cyg A	21 4.5	+38 28		18	50		23 45		
1617-185	61 Cyg B	21 4.5 5	+38 28		6/5/24	50		00 07		
1618-185	S				4/6/30			00 27		
1619-185	M 32	00 40.6	+40 39		7/6/40	28		00 39	SEE NOTE PAGE 90 00 58	
1620-185	M 31	00 40.6	+41 03		7/6/40	28		01 12		
1621-185	K And	23 38.5	+44 07		5/5/8	28		01 37		
1622-185	ξ² Cet	02 26.0	+08 17		5/5/8	28		02 01		
1623-185	S				4/6/30			02 43		
1624-185	54 Psc	00 37.1	+21 01		6/5/32	50		02 25		

Dome Temp. 66

Focus

Dome Temp.

Transparency Conditions terrible at sunset. later: much better but VdB says still not photometric.

Hour Angle ~~End~~ MID	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1h 33 W						Linearity test at 4600 Å	
2h 16 W			4.7	F6 V		20:15 very clear above (zenith). Some stuff in SW.	
0h 02 E	0h 05 E						
0h 52m W	0h 50 W					→ S1 at 4/5/8 = 18.0	
1h 41m W	1h 43 W						
0h 12 W			4.33	A0		→ S at 4/6/30 = not done. and 4/6/36 = 61.3, 4/6/30 = 60.6	
2h 07 W			3.96	F5 V		(Sky since precision was 4/30. 20:36)	
3h 41 W			5.57	K5 V		looks pretty good at 23:00	
4h 02 W			6.28	K7 V		→ 	
1h 08 W ← END!!		hr angle dry = 0h 58m stand (one way)					
1h 32 W	(middle)	← refocussed: ⊛ → ⊙ K And. Seeing is 2 [illegible]: excellent					
2h 59 W							
0h 35 W							
2h 48 W			6.09	K0 V			

ARROW SHOWS DIRN OF DRIFT WHEN CLOCK STOPPED.

very clear + good at 00

Date Sun / Mon Cont'd Observer Hy Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1625 - 185	ν And	01 34.1	+41 11		5/5/8	50		2 48		
	NGC 752	01 55.1	+37 27			28				
	NGC 7789	23 54.8	+56 29							
1626 - 185	η Cas	00 46.4	+57 35		5/5/8	50		3 27		
1627 - 185	θ Cas	01 08.3	+54 45		5/5/8	50		3 47		
1628 - 185	κ And +S	23 38.5	+44 07		5/5/8	28		4 10		
1629 - 185	⊕ M79	05 22.6	-24 33		7/6/40	28		4 35	M79 ⊕ ½ 5 02 stars	
1630 - 185	ξ^2 Cet:	02 26.0	+08 17		5/5/8	28		5 18		
1631 - 185	ρ Gem	07 26.2	+31 52		5/5/8	50		5 40	one way only	
1632 - 185	S				4/6/30			5 50		

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 15 W			4.18	F8 V			
		no traces made				– too dispersed. Could get individual bright stars	
						– disappointing. Wide scattering of faint	
3 42 W			3.64	G0 V		stars. Negligible deflection at 7/6/40	
3 40 W			4.52	A7 V			
5 32 W			4.33	A0 V		5 at 4:26, Night perfect now 4:00,	
0 14 W			8.4			at 4/6/30.	
3 54 W			4.27	B9 III		L at start of sky, end of [illegible] of M79.	
0 45 W			4.18	F0 V			
						bank of cloud	
						low in east: 5:20	
						M79 done: i) M79	
						ii) sky	
						iii) sky	
						iv) M79	

0h22m W mid-sky M79
= 4:53 EST
0h33m W at start of end of M79.

5160 – 4450
4450 – 5160
5160 – 4450
4450 – 5160
v) sky at 5160

Date Mon-Tue Oct 9-10/1961 Observer Gq-Cl Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
								15.58		
	Spectrograph at 22.0°C.					15.61		15.56		
						-.09		15.50		
						15.52		15.46		
Jan Oct 7-8		OTB		ITA						
25812 F2	① Time	16s		14s		Set = 1				
Lit .002	Focus	15.46								
Oct 11/12 1961	② Time					Set = 4				
Wed/Thu	Focus	15.54								
	③ Time					Set = 6½				
Tilt = 25.25	Focus	15.54								
Ph #1	④ Time					Set = 9				
	Focus	15.58								

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions ..... — Considerable extinction, uneven. 19h05 — cirri - high in N. 19h10 — clouded over + at 22h 94

Cl - assist 01h00 EDT - left 0215 EDT

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
25812	F4	Time = 16s, 16s				CONSIDERABLE CLOUD OVER 3/4 Sky & increasing.	
slit .008		Focus, Settings, as before, except in					
Oct 11/12 1961		reverse order: ④ done 1st, at setting 1, focus 15.58					Black
Tilt = 2325						4 15.54	
PH # 3						6½ 15.50	
25812	F3	Time 16s, 16s				9 15.46	
slit .008							
Oct 11/12 1961		Focus = 1546 Set = 1					Black except for inst. outline & one edge
Tilt = 2325		do as before.					
Ph # 2						set 9 has only ½ text in it.	
						~~set~~	
						~~set 2½~~.	

Thu-Fri

Date Oct 12-13/61 **Observer** Hy Gq - **Julian Day**

Plate No.	Object	R.A. ~~1900~~ (1960)	Declination ~~1900~~	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1633-186	S	(53.5)			4/6/30	28		19:21		
1634-186	⊕ M75+sky	20 03.5	-22 02		7/6/40	28		19:30 +	19:57	
1635-186	⊕ M2	21 31.4	-01 00		"	"		20 38 +	20 58	
1636-186	Source	(53.?)			4/6/30			21 18±		
1637-186	1 Peg	22 05.2	+25 09		5,6,16	14		21h 35 41		
1638-186	R55 1+sky	23 15.2	-14 07		7,5,32	"		22 19	+22 39	
1640-186	85 Peg	00 00.1	+26 50		6,5,16	"		23 16		
1639-186	R551				7,6,40	14		22 54		
1641-186	κ And	23 38.5	+44 07		5,6,16	"		23 41		
	Source	(55)			4,6,32			23 59		
—	NGC 205				8,6,40	14		00 30±		
1642-186	M31	00 40.6	+41 03		7,6,40	28		1 00		
1643-186	M32	00 40.6	+40 39		"	"		1 28		
	sky - one way				"	"		1 59		
1644-186	5 Cet	2 36.0	+8 17		5,6,16	14		2 23		
	Source	(54)			4,6,32			2 42		

Dome Temp. 66

Focus

Dome Temp.

Fe – Astronomer
Hd-3
Visitors

Transparency Conditions Clear down to horizon
1h30 – Improving

Hour Angle ~~End~~ middle	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		T=67°F				CO_2 in.	
0h39m W	0h45 W		9.5	G2	CO=J		
0 23 W	0 23 W					NB to λ 3320.	
		T=62°				tried Nac 7006 : no good on 8/5/40.	
0h52 W		8" Lousy.	4.4	F_5 V		centering 1/2 "	
0h21 W		7-8" poor	8.6	sd F_8		22:10 – added CO_2 – it needed it – was big bumper. Sky is quite small.	
0h30 W			6.4	G_3 V		Could use 6, 6, 24.	
See trace						λλ 3450 to 5160 One way – ran into pier.	
1h18 W							
			59°F				
						Too noisy.	
1h36 W			4.3			Can see a "nucleus" in plate to approx	
2h04 W	(2h14 soo time)		9.1			centering 1/2 " ok	
1h59 W						I find std source very near normal point of slit So that a source reading at 75 occurs if one is careful.	
1 13 W		V. poor 10" (irreg)				centering ok "	
			57°F			Added CO_2 3h35 – it needed it.	

Thu. Eve

Date Oct 12-13 /61 **Observer** —Gg **Julian Day**

Plate No.	Object	R.A. ~~1900~~ (1960)	Declination ~~1900~~	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1645-186	κ And	23 32.5	+44 07		5,6,16	14		3 18		
1646-186	R73	3 06.1	+26 12		7,5,24	"		3 54	+415	
1647-186	⊕ M79	5 22.6	-24 33		8,5,40	"		4,43		
1648-186	16 Gem				5,4,8			5 14		
	Source	(43)			4,5,30			5 39		
		Oct 16/61		Hd.	Gu.	Focus tests				
25812F5				I-25	103aO	set 008	+7.0			3
25812F6				I-25	103aO	.008	+7.5			3
25812F7				I-25	103aO	.008	+7.8			3

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

4^h45 thick fog - esp to east. Some drops in air?
Can only see nearest trees 5^h — " " all around. Dome dripping.
5^h30 - sky getting light - cirrus high in E - stratus low in E & W

Hour Angle ~~End~~ mid	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
4^h56 W		poor				centering ½ to λ3430	
2 06 W		better	sol F7 ↔	8.52		(7.6 doesn't work) Sky is small - surprisingly. Noise is too great - stopped. Was going to get 3" cat but too late.	
0 03 W		v. poor 10"				Off centre - refocused centering ½	
			56°F				
	OTB.				16/12	set 1 - 15.37 set 4 - 15.33 set 6½ - 15.29 set 9 - 15.25	
	OTB					Set 1 — 15.37 Set 4 — 15.33 Set 6½ — 15.29 Set 9 — 15.25	
	OTB.					Set 1 — 15.37 Set 4 — 15.33 Set 6½ — 15.29 Set 9 — 15.25 best	

Frank: the slow motion button on dec control on E side of pier doesn't work all the time.

Date Mon Oct 16-17/61 Observer Bu/MR Hd/Cl Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	
25813	Jupiter	20 01.8	-21 11	I-25	II a O	005	+9.0	18 33	18 35	4
				"	[slit slit?]			18 41	18 43	4
								18 47	18 48	1
25814	Jupiter							1856	1858.	1
								1901	1903	1
								1905	1906	1
25815	Jupiter							1909	1911	2
		(1961)	(1961)					1914	1915	2
								1917	1918	2
1649 - 187	HD 201254	21h 06m.1	+14° 31'	Hy x4	6,4,32	set 20	—	19h 52m		
1650 - 187	HD 207563	21 [illegible]	+20 17	"	5,5,32	...		2023		
25816	"	21h 44m.8	+20 00	I-25	II a O½	.008	19.0	20 48	21 08	7
25817	HD 209008	21h 55m.1	+6 14	"	"	"	"	21 44	22 09	2
1651 - 187	" "	21 [illegible]	+6 31	Hy x4	6,5,32	set 20	—	22 13		
25818	HD 219188	23 [illegible]	+42 7	I-25	II-0.15	.008	+9.0	23h 05	00h 00	4

Dome Temp. 50F

Focus 15.25

Dome Temp.

Transparency Conditions

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
				G2	18	RH limb. set 1 } Probably tipped set 6 had 1 count of previous setting	
					18	LH limb set 6	OK
					18	RH limb. set 9	
					18	RH limb. set 1 (east limb)	fine
					18	LH limb. set 6 (west limb)	
					18	centre of disk set 9	
					18	RH limb set 1 east limb	fine
					18	LH limb set 6 west limb	
					18	centre of disk set 9	
	+14° 30'	5"	6.89	B5V		DMO-RAD 1A/sec 2"/min VOLTAGE 700 Hy×2 VOLTAGE 850 Hy×2	
	+20 16	5"	6.21	B3V		" " " " Voltage 900 V	
20 35 W	"	1	"	"	6,6,6	8392 - 8407 set 2	fine
31 35 W	+6 30	2	6.04	B3V	6,6,6	8412 - 8419 set 8	fine
	"		"	"		DMO - RAD 1A/sec 2"/min voltage 900 V	
32 13 W	+21 45	2	6.98	B2.5	6,6	8421 - 8437 set 8/9 also used. 100 gain standard [illegible]	mottling

Date Mon Tue Oct. 16/17 '61 (CONT) Observer MR CL Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	F
		h m	° ′					h		
1652 - 187	AD = 3.6%	24 02.7	+58 18	Hγ x4	5,5,32	20	—	00 17		
1653 - 187	53 Cas	2 00.0	+64 12	Hγ x2	" " "	"	—	00 39		
1654 - 187	HD 12953	2 05.8	+58 11	"	"	"	—	01 19		
1655 - 187	ξ Cet.	2 37.5	+00 10	"	4,5,32	"	—	01 46		
1656 - 187	35 Ari	2 41.1	+27 32	"	5,4,32	"	—	02 07		
1657 - 187	HD 21791	3 25.8	+59 49	"	5,4,32	"	—	02 33		
1658 - 187	HD 21389	3 26.7	+58 45	"	"	"	—	02 51		
1659 - 187	HR 1046	3 27.0	+55 19	"	5,4,32	"	—	03 08		
1660 - 187	ε Per	3 56.2	+39 54	"	4,4,32	"	—	03 27		
1661 - 187	τ (94) Tau HD 29763	04 39.8	+22 53	"	4,5,32	"	—	03 51		
1662 - 187	η (10) Lep HD 32630 1st Star	5 03.7	+41 11	"	4,4,32	"	—	04 16		
1663 - 187	HD 32990	5 05.7	+24 13	"	6,3,32	"	—	04 35		
1664 - 187	105 Tau HD 32991	5 25.5	+21 39	"	6,3,32	"	—	04 58		

Dome Temp. .....

Focus ..... 40°

Dome Temp. .....

Transparency Conditions ..... V. good

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+58 17	5"	6.5	B3		list C. 4250 – 4500	
	+64 12	"	5.6	B8 Ib		list D " "	
	+58 12	"	5.9	A1 Ia		" " "	
	+50 07	"	4.04	B2 IV		" " "	
	+27 32	3"	4.58	B3 V		" " "	
	+59 47	5"	4.42	B9 Ia		" " "	
	+58 42	"	4.76	A0 Ia		" " "	
	+55 16	"	4.98	A1 V		" " "	
	+39 51	"	2.71	B0.5 V		list A " "	
	+22 51	8	4.33	B3 V		list E " "	
	+41 10	"	3.28	B3 V		" " "	
	+24 11	"	5.50	B2 V		" " "	
	+21 36	"	5.95	B2 Ip		" " "	

NOTE: 2 loaded plate holders in box 15

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X

Date Wed Oct 18-19/61 **Observer** Hd. — Hr (BK) (BK) **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
25819	Jupiter				II aO E			1849 1848	1850	3
								[illegible]	1906	
					"			1904	1905	
25820	"				"			[illegible]	1913	1
								1916	1918	
								1921	1922	
25821.	HD 17371 2	18 36.6	+57 04	I-25	II aO E	.008	+19.3	1917	2055	2
25822	HD 217312	22 54.8	+62 32	"	"	"	19.5	2106	2202	3
25823	HD 215218-9	22 39.2	+50 52	"	"	"	19.5	2215	2245	4
25824	HD 213470-1	22 16.5	+56 42	"	"	"	19.3	2255	2355	1
25825	HD 213310-1	22 25.4	+47 11	"	"	"	"	00 20	00 38	2
25826	HD 13474-5	02 06.6	+66 03	"	"	"	19.8	0050	0122	3
25827	" 16092-3	02 29.9	+51 32	"	"	"	"	0133	0510	4
25828	HD 50820	06 49.7	−1 38	"	"	"	19.5	0530	0600	1
	Focus Test	O.T.E.								

Dome Temp. 70 F

Focus 15.45

Dome Temp.

Transparency Conditions

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality
					13	Set 2. (RH limb of equator) West limb sizes: 4	" counts	
					18	Set 5 LH limb of eq. i.e. East limb.	"	
					18	set 9 centre of disc	"	
					18	Set 2 RH limb of equator; West limb	"	
					18	Set 5 LH Limb; West limb	"	
(Want 50m W but compute)					18	Set 9 centre of disc	"	
3 48 W	51 12	2-1	6.9	A3F2	6-6-6	set 2. Hymers close pair, just received sizes 7	8471 1192	
2 37 W	62 50	1	7.8	B0 III	6-6-6	set 5 Hd Binary Marked 22822 set 7	8493 8511	good
1 36 W	81 11	1	6.9	F8A5	6-6-6	set 5 Hewish (Glue star set 4) set 7	8512 8522	
2 58 W	57 00	0	6.7	A2	6-6-6	5 " set 7	8523 8542	
3 42 W	47 30	0	4.6	K0A0	6-6-6	5 " set 5	8544 8556	
3 47 W	66 19	0	6.2	F5A2	6-6-6	5 " set 7	8579 8583	
4 18 W	51 48	0	7.3	G5A5	6-6-6	" " " 8	8585 8649	
0 40 W	-1 44	0	6.2	B5	6-6-6	" " 7	8650 8659	
					18/12	9		
						1 Pl 14		

Date Thurs Oct 19-20/61 **Observer** L- **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25829	HD. 186518-9	19 40.0	26 54	I-25	Baked IIAO	Set .008	18.8	18 17	19 41	2

Dome Temp. + 66°F

Focus 15.46

Dome Temp.

Transparency Conditions Haze light cloud

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1 34W	27 02	1	6.6	KoAo	6-6-6	Lot 5 Haynes Star. Lm 7 {8672 8701 Clouds. 1 P.H. loaded.	

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20/21 ← Hy

Date Fri Oct ~~19~~ 20, 1961 **Observer** BK Gt – Hy **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
25830	HD 174016-7	18 43.4	+61 51	I-2.5	Ia O-E	set .008	17.0	18 31	21 25	3
25831	HD 205114-5	21 28.1	+52 11	"	"	"	16.2	21 36	22 06	4
25832	HD 218310-1	22 25.4	+47 11	"	"	"	16.2	22 15	22 23	1
25833	HD 4615-6	0 43.2	+51 33	"	"	"	16.2	22 36	23 14	2
1665-188	θ Cas	01 08.3	+54 45		5/5/8	50		23 44		
1666-188	S	(70.3)			4/6/30	50		00 02		
1667-188	61 Cyg B	21 04.5	+38 28		6/5/24	50		00 17	SKY ONE WAY 00 35	
1668-188	54 Psc	00 37.1	+21 01		6/5/30	50		01 04	" " " 00 54	
1669-188	S	(70.1)			4/6/30	50		00 45		
1670-188	θ Per	02 41.1	+49 03		5/5/16	50		01:30		
1671-188	S	(69.2)			4/6/30	50		01:49		
1672-188	16 Per	02 47.8	+38 07		5/5/16	50		01:56		
1673-188	ξ^2 Cet	02 26.0	+08 17		5/5/16	50		02:25		
1673-188	36 Per	03 29.2	+45 54		5/6/16	50		02:50		
1674-188	S	(68.0)			4/6/30	50		03:13		

Dome Temp. 62

Focus 15.39

Dome Temp.

Transparency Conditions Good

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
4 20 W	61 54	0	8.0	F5 K2	6-6-6	set 5 Hyades set 8 8709 8764	
2 16 W	52 24	0	6.2	K0 A3	6-6-6	5 " set 7 8768 8795	
1 35 W	47 30	1	4.6	K0 A0	6-6-6	5 " " 7 8810	
0 07 W	51 52	1	6.8	F8 A3	6-6-6	5 " 7 8811	
0h 23m W			4.52	A7	T=51°C.	≤ Full Moon	
4 59 W			6.28	K7		not moved back at all for sky (Moon)	
2 14 W	2h 06		6.08	K0		sky done before object.	
					T=57°	← out of temporal order !!!	
0h 36 W			4.22	F7			
					T=49°	Moon set at 3:40. a good photometric night.	
0h 55 W			4.27	F2			
1h 47 W			4.27	B9			
1h 08 W			5.35	F4			
					T=48½°		

Date Cont'd **Observer** Hy **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
1675-188	46 Tau	4 11.2	+07 37		5/6/16	50		03:24		
1676-188	⊕ M79	5 22.6	-24 33		7/6/40	28		03:51	04:11	
1677-188	R 122	5 31.8	+78 20		7/4/30	28!		04:43		
1678-188	ξ^2 Cet	2 26.0	+08 17		5/5/16					
1679-188	S	(66.0)			4/6/30	50		05:11		
1680-188	ρ Gem	7 26.2	+31 52		5/5/16	50		05:17		
1681-188	~~ξ Leo~~	~~10 11.1~~	~~+23 55~~			~~50~~				
1682-188	S	(65.0)			4/6/30	50		05:36		

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
$1^h 02^m$ W			5.35	F3			
$0^h 17^m$ W	$0^h 15^m$ W		8.4				
$0^h 59^m$ W			7.69	F6		no test for star made.	
			4.27	B9 III		→ NO GOOD !!	
					T=47°		
$0^h 20^m$ E			4.18	F0			
			~~3.65~~	~~F0 II~~		not done	
					T=47½°		
						clouds rising in east ; 05:30	

Date Oct 21-22, 1961 **Observer** Fe - BK **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
25834	HD 190658	20 00.8	+15 13	I-25	IIaO B	.016	13.4	21:42	22 53	3
25835	HD 219113	23 08.3	+ 2 8	I-25	IIaO B	.016	13.4	23:11	01 11	4
25836	HD 213310-1	22 254	+47 11	"	"	.008	13.2	01 28	01 42	1
25837	HD 5372	00 505	+46 07	"	"	"	13.0	01 49	04 49	2
25838	HD 28503	04 246	+39 48	"	"	"	13.0	04 56	06 06	3
	Focus Test	D.T.B.								

Dome Temp. 50°

Focus 14.33 ?15.33

Dome Temp.

Transparency Conditions Fair to good

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
4:34 W	+15 23	1	~8.0	gM2	6+6+6	Too faint west to complete exposure. v.B SB.	
3 43 W	+2 25	1	8.7	G5	6+4-4	52 Psc set 7 8857 8868	
4 58 W	47 30	0	4.6	K0-1	6-6-6	x45 Hyrek's set 7 8868 8888	
5 40 W	46 25	0	7.6	F2	6-6-6	5 " 7 8892 8912	
3 22 W	39 55	0	6.3	F2	6-6-6	2 " double, sfroup. 7 8912 8923	
					18/12	8	
						4 PH +4	

Date Sun Oct 22-23/61 Observer L - BK Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
25839	HD. 193410-1	20 15.0	29 22	I-25	Baked IIAo	Set .008	13.9	18 24	20 02	4
25840	" 201270-1	21 03.3	45 17	"	"	"	13.9	20 05	21 49	1
25841	" 219113	23 08.3	+02 08	"	"	Set .016	13.8	21 55	23 35	2
25842	" 9352-3	01 27.0	+57 49	"	"	.008	13.0	00 36	01 16	3
25843	" 212310-1	22 25.4	+47 11	"	"	"	13.0	01 23	01 45	4
25844	" 17479-80	02 43.1	+48 24	"	"	"	13.0	01 55	06 05	1
	Tocus T.A.	OTR.								

Dome Temp. + 55°F

Focus 15.35

Dome Temp. 42°

Transparency Conditions Good

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1 31 W	29 22	0	7.2	F5 A0	6-6-6	Set 5 Hynes Star. Lens 7 {8932 8954	
2 31 W	45 31	0-1	7.3	G0 A0	6-6-6	" " " Lens 7 {8954 8976	
2 11 W	02 27	0	8.7	G5	3-3-3	" Eclipsing Binary SZ Pier. Lens 7 {8977 8995	
1 32 W	58 07	0	6.1	K0 A0	6-6-6	5 " Hynes " " 7 8996 9016	
5 06 W	47 30.	0	4.6	K0 A0	6-6-6	5 " " 9018 9037	
5 06 W	48 36	0	7.8	A2	6-6-6	5 " 8 9038 9076	
					18/12	9	
						2 PH Plates loaded	
		MC	SC	ME			
	Oct. 23	+15.5	-12.1	-5.5			

Thurs/Fri 26/27 Oct 61 - seemed about to clear then back to poor
- gave up at 10:00 pm EST NB →

Date Fri-Sat Oct 27/28, 61 **Observer** BK Gt — **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25845	HD 179143-4	19 06.3	+37 38	I-25	II O-aB	Set .008	+8.6	19:51	21:51	1
25846	HD 196088-9	20 30.0	+49 29	"	"	"	"	21 58	23 58	2
25847	HD 213310-1	22 25.4	+47 11	"	103a-O	"	8.4	00 06	00 20	1
25848	HD 14262-3	02 12.3	+22 43	"	"	"	8.7	00 26	00 52	2
—	~~HD 17245-6~~	~~02 41.0~~	~~+43 50~~	"	"	"		~~01 08~~	~~01 16~~	1
	Focus test on G.									

-all 4 PH's loaded!

Dome Temp. .....

Focus 15·28

Dome Temp. .....

Transparency Conditions Clearing gradually

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
4 49 W	+37 44	0	6·8	F0 A3	6-6-6	set 5 Hynek's set 7 9112 9133	
5 33 W	49 43	0	6·7	A0 G	6-6-6	5 " " 9134 9152	
4 00 W	47 30	1	4·6	K0 40	12	5 " 7 9156 9182	
0 44 W	23 00	1	6·4	A5 G	4-4-4	5 " 7 9152 9202 9204	ok
~~0 40 W~~			6·7	F5 A	~~4-~~	~~5 " clouded out 7~~	
					12/8	8 plate marked 25848	
						PH No 2 — 103-a-O + 8	
						PH 3,4 IIa O-B	

Date Tue. and Oct 31/Nov 1, 1961 **Observer** — BK **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25849	HD 17245-6	02 41.0	+43 50	I-25	103-a-O	set 1008		01 38	02 08	2

Dome Temp. 44

Focus 15.28

Dome Temp.

Transparency Conditions Partly cloudy

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 46 W	44 06	0	6.7	F5A	4-8	set 5 clouded out set 7 9211	
						2PH with II a O	
						5 plates 103-a-O	

Date Wed-Thursd. Nov 1/2, 51 **Observer** Gg – BK (BK) **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25850	HD 213310-1	22 25.4	+47 11	I-25	103-a-0	set .008	+7.4	20 23	20 57	1
25851	HD 206778	21 39.3	+9 25	"	"	"	"	21 04	21 08	2
25852	HD 6755	1 03.2	+61 01	"	IIaO6	"	+7.7	22 15	01 45	3
25853	HD 17378	02 42.2	+56 40	"	103-a-0	"	7.2	01 53	04 13	1
~~25854~~	~~HD 432~~	~~00 04~~	~~+46 28~~	"	"	"	7.2	~~04 22~~	~~06 02~~	~~2~~
	Dome Temp	5775								

Dome Temp. 42

Focus 15.27

Dome Temp. 34

Transparency Conditions Clear except a patch of cirrus in S + another at 90°30

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 56W	47 30	0	4.6	K0A0	4-4-4	set 5 Hynek's set 6 9221 9238	
1 47W	9 40	0	2.5	K0	12	5 " set 6 9240 9256	
3 05W	+61 20	0	8.40	F9 V	4-8-6	set 2 Se HV (was counting every 2m) field checks. 5 262 316	
3 55W	56 55	0	6.5	F5 A2	4-4-4	set 5 Hynek's 7 9317 9343	
2 16W	46 26	0	6.5	F0	4-4-4	~~5 " check set 7 9344 9358~~	~~poor~~ ~~overlap~~ ~~Early F~~
					12/8	9	Plate discarded

1 PH with I a O-B, plates in done

mc	SC	M.E
+21.4	-10.2	-4.6

Date Nov 4-5 1961 Observer Fe - L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25855	HD 217312	22:54.8	+62 32	I-25	IIaO-B	.008	11.0	19:18	21:15	4
25856	HD 219113	23:8.3	+2° 8'	I-25	IIaO-B	.016	11.0	21:36	23:57	2
25857	MWC 89 " 15472	02 24.4	70 30	"	"	.016	11.0	00 29	01 37	4
25858	MWC 93 " 31293	04 49.4	30 24	"	"	.008	11.0	02 12	03 07	1
	Focus Test						D.T.B.			

Dome Temp. 43°

Focus 15.31

Dome Temp. 40°F

Transparency Conditions Fair, decreasing

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00:55W	+62 52	0-	7.8	B0 IV	~~6+6+6~~	Hd Sp. Bin.	Tenuous
3:25W	+2 27	0	8.7	G5	3+3+3	SZ Psc, Hd, Ec-Sp Bin.; Occasional cloud	good
1 46W	70 46	0	8.0	Bane	3-3-3	Be prog. (clouds) Stars 8 9410 9457	fair
0 53W	30 29	0	7.5	Aocp	6-6-6	" " " 7 9458 9473	fair
					18/12	Clouds	OK
						3 P.H.c loaded with Cabid II A0 s +4	

Date Tues Nov 7-8/61 **Observer** Hd - Hv **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25859	HD 217312	22 54.8	+62 32	I-25	IIaO B	016	+6.0	22 30	0020	[illegible]
25860	" 19243	0300.7	6200	"	"	008	+6.1	0053	0229	[illegible]
	[illegible]		073							

Dome Temp. 36F

Focus 15.24

Dome Temp.

Transparency Conditions Clearing 20°-22°

0115 Clouds

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3 45 W	62 53	0	7.8	BoTu	3-3-3	set 2 Some clouds pens 8 9454 9520	fair
3 15 W	62 14	00	6.5	Bre	6-12	" 3 Hd Be " 7 9523 9544	fair
					13/12	" 8	cal & vis
						IPH Field Tau B.	
						Put 1 Bex Tau 03 in Dome	
						" 1 " 1030 " "	

Date Thur/Fri Nov 9/10 '61 Observer Hy Julian Day

Plate No.	Object	R.A. ~~1900~~ 61	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
1683 - 189	8634	22 39.5	+10 37		4/6/8	50		19 53		
1684 - 189	S	(71.5)			4/6/30			20 10		
1685 - 189	8965	23 36.2	+43 03		5/5/30	50		20:29		
1686 - 189	"	"	"		" /8	28		20:49		
1687 - 189	S	(70.0)			4/6/30			21:09		
1688 - 189	θ And (BS 63)	0 15.1	+38 28		5/6/14	14		21:15		
1689 - 189	R 19	00 36.8	+02 52		6/5/40	50		22:11		
1690 - 189	"	"	"		6/6/40	50		22:30	22:52 ONE WAY	
1691 - 189	S	(68.0)			4/6/30			22:48		
1692 - 189	HR 483	01 38.9	+42 24		5/5/8	50		23:12		
1693 - 189	R 49	01 51.7	+16 24		6/5/30	50		23:35		
1694 - 189	ξ^2 Cet	02 26.0	+08 17		5/5/16	50		00:05		
1695 - 189	S	(67.0)			4/6/30			00:23		
1696 - 189	8965	23 36.2	+43 03		5/5/30	50		00:30		
1697 - 189	8965	"	"		5/5/30	28		00:50		
1698 - 189	θ And	0 15.1	+38 28		5/6/14	14		01:15		

Dome Temp. 32

Focus

Dome Temp.

Evening was completely clear from start (Day was entirely cloudy) but sky didn't look perfect – a bit 'punk'.

Transparency Conditions fair

~~20:00~~ :

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0^h 19 W			3.32	B8 V		Extinction star. ζ Peg	
						T = 31°	
0^h 01 E				B8		ι And MK std.	
0 18 W							
						T = 30°	
0 07 W			4.5	A2			
0 40 W			7.3	G2			
0 59 W	-?-					sky deflection ~ 2 mins.	
						T = 28°.5	
0 39 W			5.10	G2 V		MK	23:00 : low cloud in N
0 50 W			6.78	F5			otherwise very good
6 46 W			4.27	B9 III			23:45 : " "
~~4 03~~						T = 26°.5	
4 03 W							
4 22 W							
4 06 W			4.5	A2			

Date ..... Observer ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1699-189	S	(	)		4/6/30	50		1:38		
1700-189	θ Per	02 41.1	+49°03			50		2 03		

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
				T = 24°			
2h29m			4.22	F7		2 2:03 ~~at~~ cloud !!	
		mc	sc	mE			
		+27.2	-6.8	-6.2			
						Acufine film developer used henceforth instead of D19	

Date Fr/Sat Nov 10/11 1961 Observer [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25861	HD190658	20008	+1513	25"	IIaO	.016	+1°C	18h03m	18h26m	1
	closed out							18		
25862	HD217312	22 54.8	+62 32	25I	IIaO	.008	+1°C	18h57	1923	2
25863	HD 213310/1	22254	+47 11	"	"	.008	+1°C	1950	1952	
	closed out									
25864	focus test				103aO!					

Dome Temp. 34

Focus ~~1527~~ 1519

Dome Temp.

Transparency Conditions partly Cloudy

Time	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	1h 24m W	15 23	0-1	8.0	g172	3+6+4	vdB (SB) = HR 7680 9549-74	l wk
	0h E	62 52	0	7.8	B0 II	6+6+6	Double-line Binary (Hα) 9:87 – 9:93 No Hα	Too [illegible]
	0h 25m W	47 30	1	4.6	K0 A0	18	5 Lac Hynek prevgm.	weak OK

1 PH loaded (IIaOb)

1 Box IIaOb } in dome

1 Box 10340 }

Flashlight Low

SWB

Date Sat/Sun 11/12 Nov '61 Observer -I Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	F
25865	HD 34921	05^h 15.8	+37° 35	I25	IIaOB	008	6.7°C	00^h 46	02^h 01	3
25866	HD 45995	06^h 25.6	+11° 19	I25	IIaOB	008	7.0°C	02^h 17	02^h 34	4
25867	HD 60298	07^h 28.7	+25° 09	I25	103aO	008	7.0°C	03^h 03		1
	Focus	Test	OTB/ITA	(103aO)						

Dome Temp. 43°F

Focus 15.25

Dome Temp. 41°F

Transparency Conditions -ground fog, otherwise OK

-opened up at 00h10 EST

3:15 EST - closed out, closed up.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00h05m W	+37° 38	+1	7.4	B0ne	6-6-6	Be Prog MWC 107 Seq 7 Set 5 9618 9645	fine
00h47m E	+11° 15	0	5.8	B2ne	6-6-6	Be Prog MWC 146 Seq 6 Set 5 9647 9653	fine
	+25° 04	0	8.01	G2V	4-	(vdB) SB Hi Vel Sp. Primary Seq 8 Set 5 incomplete 9654 9661	
						R/8 Set 8	
						1 PH loaded (103aO)	
						1 Pix IIaOb in spotting-scope	
						-broke a 103aO plate	
						-Spectrograph hut (bridge) requires constant adjustment	

Date Tues Nov 14-15/61 **Observer** Hd - Gg **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25868	HD 217312	22 54.5	+62 32	I-25	IIaO B	012 ~~016~~	+5.1	18 35	18 35	1
25869	Sky see HD 217310-1	22 25.4	+47 11	"	103aO	008	+8.2	20 33	20 49	2
25870	MWC 394 HD 217050	22 52.9	+48 09	"	IIaO B	008	+8.4	20 53	21 15	3
25871	MWC 345 HD 217543	22 58.3	+58 10	"	"	008	+8.1	21 20	22 30	
25872	MWC 8 BD 41 60	23 39.2	+47 44	"	"	008	+8.3	22 35	22 47	4
25873	MWC 88 HD 218473	04 24.5	-13 17	"	"	008	+5.2	22 55	23 23	
	Sky see T-1		DTB							
		(1961)								
1701-190	1/2° Cat	02 26.0	+02 17		5,5,16	50		00:08		
	Source		(20)		5,4,16 3,			00 29		
1702-190	1/2° Cat				5,6,16	14		00 33		
1703-190	R73	03 06.1	+26 12		7,5,32	"		1 26		
	sky	negative - unexpected								
1704-190	R120	5 16.3	+40 05		6,4,24	"		2 11		
1705-190	1/2° Cat				5,6,16	"		2 40		
	Source	(20°)			5,7,16 ,4,			2 59		

Dome Temp. +45°F

Focus 15.28

Dome Temp. 36 (0h)

Transparency Conditions 0h – fine (sl haze?)

1h30 sl haze on horizon.

2 45 cirri over in S.

V700 + CO2 – 23h30 – 50

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
[illegible]	62 53	0-1	7.8	B0 III	5-5-5	Set 5 Hd Sp. Bin. Nns 8 9665 9675	fair
W 1h38m	47 30	1	4.6	K0A0	4-4-4	" 5 Bk for Hymek. Nns 5 9728 9726	wk
W 1 37	48 29	1	5.2	B3e	6-6-6	" 5 Hd Be pos. Nns 5 9728 9736	fair
W 2 49	38 29	0	6.4	B3e	6-6-6	" 9 " " " Nns 6 9737 9743	fair
W 1 22	43 04	0	4.7	B4neb	6-5-6	" 1 " " " Nns 6 9744 9751	fair
E 1 46	-13 08	0	5.5	B3e	6-6-6	" 5 " " " Sec 6 9752 9759	fair
					12/12	" 9	ok
(H mid)						Cg – Found Al slide in normal posn.	
1h08 W		Poor elongated.	4.27	B3 III		off scale.	
				35°F			
1h33 W		Poor					
1h46 W			8.52	sd F7		Noisy?	
0h21		6" ≤	5.4			6,5 is just over scale refocused.	
3h41 W							
				36°F		Frank: can you find a new bulb for Brown.	

Date Nov 14-15/61 Observer G Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.D.
1706-190	BS 1791	5 23.8	+28 35		5, 4, 16	14		3 20		
1707-190	γ Gem	6 35.4	+16 26		"	"		3 45		
	Source	(17)			5, 3, 16, 4,			4 04		
1708-190	R123	7 58.1	+29 20		7, 5, 32	"		4 56		
	"							5 16		
	γ Gem									
1709-190	Source	(15)			5, 3, 16, 4,			5 35		

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions Fairly Good. hazy patch in NW

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1^h 23 W		poor	1.52	B_7 III		too bright? off scale.	
0 37 W			1.93	A_0 IV			
					36°F		
0 25 W			7.7	G_8 V		CO_2 getting low.	
						one way. refocused	
		foiled				Δ sec z prby not lge enough.	
					38°F		
						$5^h 40$ - filmy cloud all over sky. (since $5^h 20$).	

Date Wed/Thu Nov 15/16 1961 **Observer** Hy **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
25874	381 MWC 208 682 HD	21 52.9	+64 52	7-25	II aO B	.009	4°.5	20:28	21 [illegible]	2
~~25875~~	16066	2 29.8	+67° 38	"	"	"				3
~~25875~~	C [illegible]	1 13.8	+57 42							

Dome Temp. 38 — 15.37 / .15 / 15.22

Transparency Conditions

Focus 15.22 but see 1st star

Dome Temp.

vdB's star – night too murky.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+65 09	O	5.8	B3 ne	6-6-6	9763 → 9769 Moon, poor weather Set 5 Sens 5 (Be Star)	good
			7.7	F2 II		wrong focus! focus used = 15.28	—
			5.25	F0 Ia		too bad position	—
						night too bad.	
						No focus test taken because focus changed in anticipation of further observing which did not materialize.	
						Fri Sat 17/18 Nov '61 Lamont: Twas clear at one So I opened the dome Twas cloudy at two So I closed up And went home — "One eye"	
I guess PH #3 Mus II a B in it —							
						Incidentally: Who left spectrograph lens on?	

Date Fr. Sat 24-25 Nov '61 **Observer** vdB Gt – Gg **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.J.
~~[illegible]~~	=HD 219113 S2 Psc	23 8.3	+2°08'	25"	IIaOb	.008	6	19 40	21h03m	4
25875	HD 19445	(1961) 3 06.1	(1961) +26 12	"	"	.016	6	21 35	21 59	1
25876	HD 13974	(1961) 2 14.5	(1961) +34 03	"	IIaOb	.008	6	22 18	22 24	2
25877	HD 16440	2 33.2	+68°03	"	IIaOb	.008	6.	22 38	23 15	3
25878	HD 16066	2 29.8	+67°38'	"	IIaOb	.008	6	23 24	23h55	4
25879	HD 15784	2h 27.2	+67°55'		"	"	6.0	0002	0048	1
25880	HD 13318	6h 10.5	-00 28	"	"	"		1:16	1:48	1
25881	HD 37171	5h 31.5	+10 58		"	"	"	2 09	4:01	2
25882	HD 69830	8h 13.7	-12 18	"	"			4 26	5:02	3
25883	[illegible]	[illegible]	[illegible]			.008	13			1

Dome Temp. 40°F

Focus 15.24

Dome Temp. 36

Transparency Conditions Partly Cloudy

0h — all clear

4:45 Partly cloudy

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1h 50m W	+ 2° 28'	0+	8.7	G5	6+6+6	Exposed on Empty plate holder!	D...
1h 10m E	+ 26° 09'	0-1	8.5	Sd F7	3+3+3	= Roman 73 12 - 32 Se HV	Fair
0 06m W	34° 01'	1	5.6	G0 IV	18	δ Tri. 39 - 43. Se HV	Good
0h 30m W	68° 14'	0-1	8.0	B7 III	6+6+6	vdB Cepheid program 48 - 62	Fair
1h 15m W	67 51	0-1	7.7	F2 II	6+6+6	vdB Cepheid program 63 - 77	Good
—	+68° 11	Poor	6.77	F4 II	6-6-6	image wobbles! vd B - Ceph - at pier. 79 - 99 15	Good
0h 27E	-90 30	0	6.15	F5 V	6-12	Set 3 Se HV 01 - 11 - 12 [Spotted one] D Near	Fair
2h 25E W	+11° 00	1+, 2	7.59	K5 III	6-6-	Set 4 vd B - SB 4922 0832 field clouds | counting too quick	D?! 1/1m Fair
0 44 W	-12° 30	1-3,0+	6.76	G8 V	6-12	Set 3 Se HV 39 - 61 only * in fld.	Good
				16/12			OK

3 PH + 4

Need more finder field Forans

Found Prism accidentally and noted for [illegible]

Date Sat - Sun 25th Nov '61 Observer Fe - Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
25883	HD 217 312	22 54.8	+62 32	I-25	IIaO-B	.008	6.5	19.05	22.13	2

Dome Temp. 44°

Focus 15.24

Dome Temp.

Transparency Conditions Poor

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3 27 W	+62 54	0-1	7.8	B0 IV	6+6+	Dbl. line binary in III Cep. Fd. 21100 Gray [illegible]	Good
			Clouded		out		No comp.

143

Date Sun Mon Nov 26/27 1927 Observer Hy Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
	HD 205 060 MWC 371	21 27.7	+42 16							

Dome Temp. .....

Focus 15.285

Dome Temp. .....

.435
.15
.18

Transparency Conditions .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						No good cloud bank rises from south. - 20:00	
						1) observer arrived 2hr late due to car breakdown.	
						2) ~~is something wrong with exposure metre? S.45 at zero no matter what.~~ OK!	
						closed up 21:00	
	Nov. 27		mc	S.C	M.E		
			+46.1	+5.3	-6.7		

Date Mon - Tue Nov 27/28 Observer MR . CL Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
1710 - 191	π Aqr	22h 23m.3	+31° 10'	Hyx2	5,4,32	20	—	18h 31m		
1711 - 191	HD 215191	22 41.1	+37 36	Hyx2	5,3,32	"	—	18h 57m		
1712 - 191	" 212263	22 26.0	+37 14	"	" "	"	—	19h 18		
1713 - 191	217543	22 59.0	+38 30	"	" "	"	—	19 38		
1714 - 191	217101	22 55.8	+39 06	Hyx4	" "	"	—	19 50		
1715 - 191	214167	22 34.1	+39 25	Hyx2	" "	"	—	20 50		
25584	HD 211543	22 56.3	+38 10	[illegible]	IIaO B6	0.008	0°.0C	21 41	22 45	3
25585	53 Cas	01 55.6	+68 54	"	"	"	"	22:55	23 12	
25586	HD 12953	02 01.7	+57 51	"		"	"	23:35	23 52	4
25587	α Cam	04 44.1	+66 10	"	"	"	"	00h 10	00h 14	"
25588	χ Aur	05 22.2	+38 07	"	"	"	"	00h 31	00 42	2
25589	χ Ori	5 56.0	+20 08	"	"	"	"	00h 50	01 01	"
25590	χ Aur	05 24.2	+39 07	"	"	"	"	01h 16	01 27	3
25591	χ Ori	05 58.0	+20 08	"	"	"	"	01 31	01 39	"
25592	ω Ori	06 01.9	+14 47	"	"	"	"	01 50	01 57	"
25593	2MWC 156	06 46.5	+05 13	"	"	"		02 08	03 33	1

Dome Temp. 30°

Focus 15.16

Dome Temp.

Transparency Conditions Good / Fair

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS			Quality
	+01° 09'	3"	4.6	B/NNe	30"	List B	1A/sec.	4250 - 4500	
	+37° 34'	4	6.31	B1V	"	" J	2"/min		
	+37 14	5	6.32	B2V	"	"	"	"	
	+35 30	5	6.53	B3V	"	"	"	"	
	+39 06	5	6.02	B2IV-V	"	"	"	Wpt f/c clos.??	
	—	6	6.31	B2V	"	"	"		
3h 25m W	+38° 30'	0	6.43	B3	6-6-6	set 2	7:101-16	QUIT — REAL CLOUDS at 20:45	
1h 26m W	+67°	0	5.62	B8V	6-6-6	" 8	117-123		
1 [illegible]	+58° 14	0	5.90	A1Ia	6-6-6	" 2	131-137		
00 26 E	+66° 14	0-1?	4.38	G9.5Ia	6-6-6	set 8	157-140		
00 38 E	+32 07	1	4.[illegible]	B8Ia	6-6-6	Set 2	147-153	25mm/9 as suggested 3rd — so will repeat	
00 40 E	+30 06	1	4.7	B2Ia	6-6-6	Set 8	156-162		
00 07 W	+32 07	1	4.3	B5Ia	6-6-6	Set 2	164-170		
00 14 E	+30 06	1	4.7	B2Ia	6-6-6	Set 8	171-178		
00 02 W	+41 13	0	4.40	B3V	6-6-6	Set 5	180-180		
00 51 W	+40 05	0	4.2	B2Ia	6-6-6	Set 2	199-203		

Date Nov 27/28 (Cont) Observer Mc A Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	F
1716-191	Moon			Scans only Green-yellow	4,3,37 + comparison		—	~4h 00	~4h 20	—
25894	HR 3314	08h 20.7	-03 36.1	1.25	Cb6	08	0.0	04 40	04h 48	4
25895	η Hyd	08 35.0	+03 45	"	"	"	"	04 57	05 02	"
25896	K Hyd	09 35.5	-13 53	"	"	"	"	05 17	05 40	3
	Focus Test		GTB.				~~0.7~~ 2.0 C			"

Dome Temp. 24°F

Focus 15.16

Dome Temp. 24°F

Transparency Conditions fair

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
—	—					4A sec 2" min Soft Clouds?	
?	-03°32	0	3.95	45 V	6-12	3850-5165 Set 2 204-207	fair
00 31 W	+03 31	"	4.32	35 V	6-6-6	Set 8 208-211	
00 13 W	-14° 11	"	4.96	35 V	6-6-	Set 2 0211-0217	fair
					16/12	Set 8 Considerable cloud moving down from north.	
		plate holders: #1 & 2 left loaded in cupboard in pier.					
						Focus very bad c 2 m	

Date Tues Dec 5-6/61 **Observer** Hd - Hr **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
	MWC 79				IIaOB					
25897	HD 245600	03 49.3	+44 38	I-25	~~E103a0~~	008	+2.0	2305	0242	1
	MWC 140									
25898	HD 45314	06 31.8	+14 57	"	"	"	+2.5	0257	0511	
	Tau T.		07B							

Dome Temp. 32

Focus 15.19

Dome Temp. 0200 Thin Clouds 0400 Haze

Transparency Conditions Clearing after 2200.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0330W	44 47	1	7.8	B3ne	6-6-6	Set 5 Bc prog Seq 8 236 280	Good
0329W	+14 55	00	7.1	B2ne	6-6-6	" 3 " " # 7 287 297	Good
					20/15	" 8	Cirri
						3 P.H +6 Ia0b	

Date Friday Dec 8/9 1961 **Observer** vaB-St L **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25899	HD 192577 31 Cygni	20h 10.5	+46 26	25"	IIaOb	.008	0°C	17:42	17.50	1
	"	"	"	"	"	"	0°C	17:51	18 02	1
25900								18.04	18 14	2
								18:14	18 35	2
192 – 1716	Photoel. Photometer out of order!									3
25901	HD 39113 52 Tau	23 00.3	+02 08	"	IIaOb	.016	0°C	19:30:	21h 40	3
25902	HD 16066	02 29.5	+67 38	"	"	"	"	21 52	22:46	4
25903	HD 16440	02 37.2	+68 02	"	"	"	"	22:51	00 03	2
25904	" 37171	05 31.5	+10 58	"	"	"	0.2	01 17	01 53	1
25905	" 60298	07 28.7	+25 09	"	"	"	0.2	02 41	04 05	2
	focus test							OTG		

Dome Temp. 30°F

Focus 15.16

Dome Temp.

Transparency Conditions A few Cumuli

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 29 W	46° 39'	0	4.0	K0+B0	6+12	set 2. 3 5 comps 301 – 304	
					12+6	set 8. 4 8 comps 304	
					12+6	310 — 314	
					6+6+6		
3 20 W	+2°29'	0	8.7	G5	3+3+3	318 – 364 (Pleiades)	
1 03 W	+57°32'	0-1	7.7	F2 II	3+3+3	vdB Ceph 360 – 421	
2 17 W	68 16	0-1	8.0	B7 III	3+3+3	vdB Ceph 423 – 463 Clouds	
1 17 W	10 59	0-1	7.59	K5 III	4-4-4	VdB Hi Vel. Bin. Clouds dem 7 470 494	
1 26 W	25 04	0-1	8.01	G2 V	3-3-3	VdB " " " " 8 503 558	
					10/8		OK
						1 PH broken + 8	

Date Mon Dec 11/12-61 **Observer** Hd, Jtt **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
~~[illegible]~~	HD 193577 31 Cygni	20 10.5	+46 26	I25	II a Ob	.016 .001	2.0°	17:57		

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		0-1				~~4 exms. dome~~ 65-; NG.	

Date Wed Dec 13/14 61 **Observer** Hy **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
25906	HD 192577 31 Cygni	20 10.5	+46 26	I-25	IIaOb	.008		17 43	17 52	4
								17 54	18 17	
	begun spectrophotometer int. cloudy soon.									
1717-193	⊕ M 15	21 28.1	+12 00		7/6/40	28		19 21		

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2h 51m W.	46° 36'	0-1	4.0	K0(B0)	6+	3 counts set 3 low comp! 569 572	fine
3 17 W					6+12	8 counts set 7 574 582	
3 13 W	mushy		7.3	F2		20:00 closed down	

Date Thur/Fri Dec 14/15 '61 Observer -I Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
25907	HD 65079	7^h 51.9	+03° 14'	I25	IIaO	008	-2°.5	$00^h 50^m$	$1^h 10$	#1
	Focus Test OTB/.1TA									

Dome Temp. 22°F

Focus 15.20

Dome Temp.

Transparency Conditions fair to good

- opened up at 0h00 - bars closed in south + east; also a strong northerly wind - image jumps around a lot

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1h10		+03° 06	+2	7.7	B3me	6	Be Peg MWC 188 Set 5 Seq 8 537 590	bad
							1h10 - very sudden - more squall - closed up	
							16/12 Set 9	
							1 Pt lost (Tracks)	

Date Dec 15-16/61 **Observer** vdB, Sst **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	F
25908	HD192577 31 Cyg.	20h 16.5	46 26	I-25	IIaO6	SET .008	-7.5	17.19	17.29	2
								17.30	17:50	
		"	"	"	"	"				
~~1718-194~~	~~[illegible]~~	~~23 56.8~~	~~-9° 41'~~	~~11 40~~	~~14~~					
1718-194	K And	23 38	5 +44 07	6/3/16	14			18h 28m	5160-3450	
1719-194	" "	"	"	6/3/24	14			1844		
1720-19413	HD10307	01 38.9	+42 24	4/6/32	14			1908		
25909	HD164446	2h 33.2	+68 03	I-25	IIaO6	.016	-7.5	1941	2117	3
25910 F	Focus Test									

Dome Temp. +16°F

Focus 15.07

Dome Temp.

Transparency Conditions Fine except for Ci (up to 25° in S and W) scattered clouds

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
17 50	2:36 60	46 38	0	4.0	B8+K0	6+6+6	52	fine
	"	"	"	"	"	6+6+6	SET 8	
19:36	17m W			4.33	A0 V			
	33m W			4.33	A0 V			
	5h 05m G			5.10	G2 V		= HR 483 thin Clouds stopped p.e. obs.	
17 3	0h 00m	68°16'	0	8.0	B2 III	3+3+3	vdB Ceph closed on TAT con T622/5-94 ~34	weak

IPH loaded

Light on 74" eyepiece not working.
Photometer still in same poor shape!!

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Fr/Sat

Date Dec 22/23 1961 **Observer** vdB **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	F
25910	=HD192577 31Cyg	20 10.5	+46 36	25"	IIaOb	008	-3	1729	1739	4
	"	"	"	"	"	"		1739	1759	
					clouded	Out				

Dome Temp. -3

Focus 1513

Dome Temp.

Transparency Conditions OK

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
39	3h 14m W	46 38	0	4.0	K0+B0	18	Ecl. Bin SOT2 10m	
59	3h 33m W	"	0-1	"	"	g+g	SOT8 NB. plate Pol? not w loose PA	Faint
							2PH + Many	

Date Dec 24-25/61 Observer Vd Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
25911	31 Cyg	20 10.5	46 26	I-25	IIAoB	008	-5.9	17 35	17 45	1
							-5.9	17 46	18 10	
N.B.	T9 REPLACED W/T1 DEC. 27/61									
25911F	Focus Test			I-12	IIaoB	008				3

Dome Temp. 18 F

Focus 15.09

Dome Temp.

Transparency Conditions

Jan 2/62 Changed to 12½ Camera 25" Was Tilt 23.25 Tilt 20.35 12½" is 164 Focus 15.09 Focus 12.69

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	46 38	1	40	Ko, B8	6-6-6	Set 2 Hd Ecl Bin, Ans 4 649 653	Fair
W 3 52					6-6-6	" 5 " 653	
Focus Test			OTB		16/12	" 8.	cell m.
						IP#	
		OTB.			6/4	set 2 12.80	
						" 5 12.60 ← Best	
						" 9 12.70	

Date Jan 17-18 Wed/Thu 62 **Observer** Hy - H ✓ **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
MCW 29	unable to find.									
ξ^2 Cet	" " "									
α Hyi	" " "									
1721-195	ξ^2 Cet	$2^h 28^m$	+08° 17		6/4/15	14		20:05		
1722-195	46 Tau					50		20:~~25~~56		
								↳ 47		
1723-195	R 120	$5^h 16.3^m$	+45° 05		6/5/16	14		21:46		
1724-195	ξ^2 Cet				6/4/15	14		22 12		
1725-195	γ Gem	6 35.4	+16 26		5/4/15	14		22 41		
1726-195	p Gem	7 26.2	+31 52		6/3/15	50		23 09		
1727-195	γ Gem				5/4/15	14		23 32		
25912	HD 60298	07 28.7	25 09	I-12½	IIaOb	.008	-8.6 -9.0	00 25	00 13	
	7 mag 7 est		07 13							

Dome Temp. 8° !

Focus 12.60

Dome Temp. −2° F

Transparency Conditions GOOD

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						what!	
						← finally found. Something is wrong! OK now!	
1h 17m W						no dry ice (new tube)	
0h 14m W						– certainly bad (ie the old one #1)	
0h 08m W				G0V		HV	
3 24							
0 15 E							
0 39 E							
0 37 W							
05 12 1	+25 04	000	8.01	G2V	3-6	5 of 5 vdB SB #9 0664 0761	strong
					8/6	" 9 CLOUDS	strong
						NO PH. loaded + 9 II Lib	
						PH #1 Spectr. not yet loaded. with II Lib.	

Date Tue Jan 22, 1918 **Observer** HD **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
25913	23 Tau.	3 40.4	+23 39	I-2	IaOB	008	long	19 54	19 55	1
						008	disp	19 59	20 01	
						008		20 03	20 07	
						016		20 09	20 09	
						016		20 10	20 11	
						016		20 12	20 14	
25914	η Tau	3 41.5	23 48		"	016		20 19	20 19	2
						016		20 20	20 20	
						016		20 21	20 22	
						008		20 23	20 23	
						008		20 24	20 26	
						008	-5D	20 27	20 28	
25915	27 Tau.	3 43.2	23 45		"	008		20 37	20 37	3
								20 38	20 38	
								20 39	20 40	

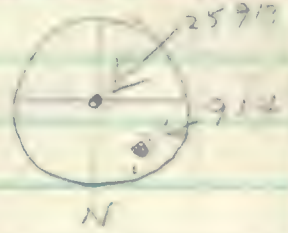
Dome Temp. +16 F

Transparency Conditions

Focus

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
			4.2	B6	8	wt 1 ½ ct. JD.7 calibration stars	
					8	" 5 1" plus 4	OK
					8	" 9 2"	
					—	" 3 ½ note no comps.	
					—	" 7 1 on OB exposure	
					—	" 10½ 2	
					—	wt 0 ½	
					—	" 4 1 JDF cal. stars	
					—	" 8 2	OK
					6	" 2 ½	
					6	" 6 1	
W 37m	23 56				6	" 10 2	
					6	" 0 ½ ct. JDF cal *	OK
					6	" 4 1	
					6	" 8 2 "	



Date Jan 27/Jan 28 **Observer** Hd L **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
25915 cont'd	27 Tau					016		20 45	20 45	
						016		20 45	20 45	
						016	-5.0	20 46	20 47	
25916	ε Per	3 51.1	+39 43		IIaO/B	016		20 55	20 55	4
						016		20 56	20 56	
						016		20 57	20 58	
						008		21 00	21 00	
						008		21 01	21 02	
						008		21 03	21 05	
25917	η Per	3 52.5	+35 30		II	008		21 16	21 17	1
						008		21 18	21 20	
						008	-5.0	21 20	21 22	
								21 26	21 26	
								21 27	21 28	
								21 29	21 31	

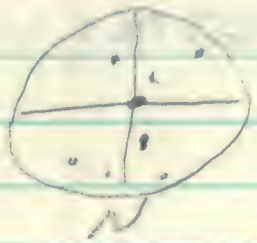
Dome Temp. .....

Transparency Conditions .....

Focus .....

Dome Temp. .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
					—	wt 2 ½ wt	
					—	" 6 1"	OK
W 20 54	23 54				—	" 10 2"	
					—	" 0 ½	
					—	" 4 1	
					—	" 8 2	OK
					6	" 2 ½	
					6	" 6 1	
W 1h 03					6	" 10 2	
			40	0.65	6	" 0 ½	
					6	" 4 1	OK
					6	" 8 2	
					—	" 2 ½	
					—	" 6 1	
W 1h 28					—	" 10 2	



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Date Jan 23-24/62 Observer Ad L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
25918	HD27192	4 12.6	50 41	I-12	IIaD	016		21 36	2137	Z
						016		21 38	2140	
						016	-50	21 41	2147	
						008		2148	2150	
								2150	2158	

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

...ing Time E.S.T.		Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
...37	2				5.3	B2	—	set 0 sens 4 ½ et. fit Calib star	
...40							—	4 1	
...41			50 50				—	8 2"	
...43							6	" 2 ½	
...48		W1 ^{h}35					6	6 1	
							~~6~~	10 ~~2~~ Clouded out	

Date Sat Jan 27-28/62 Observer Hal - Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25919	MWe 29 HD 13661	02 08	+54 04	I-12	II-OB	016	-3.1	19 23	20 57	3

Dome Temp. 14F

Transparency Conditions

Focus

Dome Temp.

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0573	W 2 55	54 24	0	8.6	Bm	1-3	Set 2 field checks Ans 8 932 939	fair
							Clouded out about 2030	
							closed 21 30	

Date Thurs Feb 1-2/62 Observer L- Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	F
25920	MWC 68 HD 216650	03 24.6	41 25	I-12½	II AOB	set .008	-14.0	18 57	20 41	4
25921	MWC 146 " 45314	06 21.6	14 57	"	"	"	-14.0	22 03	22 43	1

Dome Temp. -5°F

Transparency Conditions

Focus

Dome Temp. -10°F

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
41	1 42W	41 35	000!	7.2	B5.Na	4-6-4	Be Prog clouds. Sins 7 948 952	fair
43	0 47W	14 56	0	7.1	Bake	4-6-4	" " " 7 954 958	thing
							Clouds	
							4 P Hs loaded.	

Date Sun-Mon Feb 4-5 1961 Observer Hy — Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
25922	δ Ori	5 26.9	-00 22	I-12.5	IIaO-B.	.008		20:43	20:43½	
						.008		20:45		
						.016		20:52		
						.016		20:54		
25923	I ½ 48 HD 48215	crittenden field				.016		21:16		
	λ Ori A					.016		21:18		
						.008		21:24		
						.008		21:26		
~~25924~~	HD 47129	5 32.0	+6 13			.008		22:05		
						.016				

Dome Temp. 30° F

Transparency Conditions poor

Focus

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0h 05m E			2.3	09	none	set 2 select 4 JDF H8 .4 of a count	
0h 03m E					9	set 4 " 3/4 "	
0h 04 W					9	set 6 " .4 "	
0h 06 W					9	set 8 " 1 count	
0 25 W			2.3	07	9	set 2 ~~[illegible]~~! JDF H8 .4	
0 27 W					9	4 select 4 (74" field) 1	OK
0 22 W					9	6 .6	
0 25 W					9	8 1 "	
	+6° 04'		6.1	06.5p		4 select 6 field plotted JDF H8 2 count	
						negligible response from exp 2 cont	
						note – reason: first. closed down. plate discarded.	
						Jerry – door to balcony would not close. Tried to clean it from bottom but still no go. Placed chair against door to make sure it wouldn't blow open.	

Date Tues Feb 6-7/62 Observer Hd-Hr Julian Day

Thinks it should be 1856 = 8746

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T. 1956	Ending Time E.S.T.	P
25924	HD21312	22 54.8	62 32	I-25	II-OB	012	-12.0	19 56	21 28	4
25925	HD 44537	06 17.7	+15 09	"	"	016	-12.2	21 50	0120	1
25926	HD 29363	10 13.6	13 13	"	"	.008	"	0130	0402	2
	Mag 7.4		07B							

Dome Temp. 0°F −5

Transparency Conditions Good (0±00)

Focus 15.16 − .15 = 15.01

Dome Temp. −1°F

Feb. 6 Changed to 25" Camera 12½ was Focus 12.60 Tilt 20.35 25 is Focus Tilt 23.25

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
W 7h 20m	62 53	0	7.8	B0V	4-4-4	Set 6 Telescope removed Hd Pin elns 8 999 1030	✓
0346 W	15 08	00	7.7	B3e	3-3-3	Beijing Set 5 A.F.W.A.P. " 8 1032 1049	
0251 W	17 54	0	6.62	A0	3-9-6	Set 5 Supp 8X8 # 7 1051 1062	
					20/15	" 9	OK
						2 P.H + 8 II 2ob	
						0330 Temp rising	
						0400 Clouds.	

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Date Wed Feb 7-8/62 Observer Hal Big - Hv Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
25927	HD217312	22 54.8	+62 32	I-25	II aO B	.0027 008		19 50	21 52	3
1728-176	6 Gem	06 35.4 (1900)	+16 25		2X	14	45.8	22 34		
25928	R191	9 13.7	-12 18	I-25	II aO B	.0027 008	-12	23 13	0009	4
25929	HD 91889 R 248	10 31.6	-11 42	"	"	"	-11.8	0032	0200	1
25930	HD 107276	12 14.9	29 01	"	"	"	-12	0300	0630	2
	Tom 7		0713							

Dome Temp. +10F, +7F

Focus 15.16 − .15 = 15.01

Dome Temp.

Transparency Conditions Thin Patches of Cirri all over

clearing 20:50 − ok but thin haze (23h)

0200 CLOUDS

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Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
[illegible]	+62°54'	2!	7.8	B0 IV	6-6	Set 5 the Bear. | cannot reach guiding eyepiece (30) Seq 8 1066 1085	fine
C 59 W (mid)						25160 to 3420 V = 900. some grass	
009 +	-12 25	0	6.76	G2 V	6-12	Se HV 1087:	good
0020	-12 00	0	6.24	F8 V	6-6-6	Set 5 Se HV #7 1107 1125	fine
0457	-28 44	0-1	6.59	A2	6-12	" " KA 8x8 More Cirrus #7 1128 1137	fine
					20/15	" 9	cirrus
						1 P.H + 7 ← Spotted	
						A POOR NIGHT !!!	
						What did Gg do w/ Arc Strikes??	
						74" [illegible] Prism Ideally lighted	
						(Dec slow motion drives)	

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Date Fri./Sat. Feb ~~8/9~~ 9/10 1962 Observer [illegible] B - I Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
25931	HD 37171	5 31.5	+10 58	25"	IIaOb	008	-7°C	20 13	22h 05m	3
25932	HD 60298	7 28.7	+25 09	25"	IIaOb	016	-7°C	22 24	23 40	4
25933	HD 01869	10 31.6	-11° 42'	25"	IIaOb	008	-7°C	23h 53	1h 45	1
25934	HD 122563	13 57.6	+16° 11'	25"	IIaOb	008	-4°C	2h 17	6h 18	2
	Focus	Test	DTB							

Dome Temp. 15°F

Focus 22-15-07

Dome Temp. -4°F

Transparency Conditions partly cloudy
Lat. clear
00h30 - fine
4h - variable - in brown sky

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1h32m W	+11°00'	0	7.59	K5III	6+10	1143 - 63 vd B (SB)	fine
1h08m W	+25°04'	0	8.01	G2V	6+3	1163 - 1163 vd B (SB)	fine
0h12m E	-12°0'	0	6.24	F8V	6-6-6	Roman # 248; (Se Hv) Set 5, Exp. 1185/1200	fine
1h21m W	+9°52'	+1	7.10	G0VI	6-6-6	Roman # 324; (Se Hv) Set 5; Exp. 1201/1222 (counting invisible stars!)	fine
					20/5	Set 9	cool 3 n
						PH 1344 loaded (Tau 06)	
						Frank! - Remote control fail; broke fed dec control, hung! (Guided in the with dec setting switch.) (at 1h0m) after (but not and) 25/33	
						NB: plates 1 are spotted once each -	

button - off table in dome

Date Sat.-Sun. Feb 10-11, 1962 **Observer** Fe, L – **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
25935	HD 217312	22 54.8	+62 32	I-25	IIaO-b	.012	-13°C	18 51	20 43	4

Dome Temp. +4°F

Focus 15.00

Dome Temp.

Transparency Conditions Fair to good

...ding Time E.S.T.		Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
13	4	5 08	+62 50	0	7.8	B0 II	4+4+4	Hd. Spec Bin. Sens 8 1224 1243	fair
								Dec slow motion broke down & then clouded out 22:30. JDF	

Date Mon-Tues Feb 12-13 **Observer** MR - HS (HL) **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
25936	HD 217312	22h 54.8m	+62° 32'	I.25	IIaD-L	.012	-6°C	18 48	20 12	2
25937	HD 62301	7 38.1	+39 49	"	"	.008	-5.5°C	20 37	22 11	3
25938	HD 69830	8 13.7	-12 18	"	"	"	-5.5°C	22 21	23 19	"
25939	HD 91948	10 31.9	+60 38	"	"	"	-5.7°C	23 37	01 15	4
25940	" "	"	"	"	"	"		01 15	04 19	
25941	HD 110897	12 43.1	39 29	"	"	"	-5.8	05 12	06 32	1
	Focus Test		513							

Dome Temp. 21°F

Focus 15.24 − .15 = 15.09

Dome Temp.

Transparency Conditions very good (some low western w5 & W)

ing Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.		REMARKS		Quality
							Set 5			
12	6h 29m W	+62° 55′	1	7.8	B0 V	4-4-4	4d Sp Bi	Field shot – Seeing 8	1265 1300	fair
11	0 18 E	+39 39	2	7.30	F8 V	6-6-6	Roman 174, sd 2	1) Where is stricken? "	1306 1361	fair
19	0 15 W	−12 30	"	6.76	G8 V	6-6-6	" 191; " 8	2) Need more fuse inserts, "	1362 1418	good
15	0008 E	+60 19	"	7.37	F8	6-12	N Sp Bi; " 2	& fuses made of. "	1424 1480	bad
	0237 W	"	1	"	"	6-12	" 6	3) Yes, mirror shutter did flop shut	1480 1512	fair
12	0303 W	39 29	1	6.5	G0 V	6-6-6	Set 4. Sc+Iv		#7 1560 1575	fair
						20/15	" 9			
							1 P.H. + H +			

Gerry – switch on pier would not shut off generator. Gen. sounds weird when running. F.

ehr

Date 17-18 Feb., 1962 **Observer** DE, Hd **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25942	HD 217312	22 54.8	+62 32	I-25	IIa b	.012	-3°	19:13	21:21	2

Dome Temp. 11 °F

Focus 15.13

Dome Temp. 11°F

Transparency Conditions Fair to good

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21:56	1:56 W	+62 53	0	7.8	B0 IV	4+4+4	Hd Sp Bin. / Cirrus thickening 21h 8 1581 / Eyepiece no longer available - Cloud. very thick 8 1592	Good
							Clouded out 21:30	

Date Tues Feb 20-21/62 **Observer** Hd - Hr **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	
25943	HD60298	7 28.7	25 09	I-25	IIAoB	016	-3.0	21 17	23 29	1
25944	HD91948	10 31.9	60 38	"	"	012	-3.0	23 39	0029	2
	Focus Test		0.7 B.							

Dome Temp. 18 F

Focus 15.28 - .15 = 15.13

Dome Temp. +17°F

Transparency Conditions Cloudy until 20.30 192

30 visitors from OAC Burlyn

23h59 Clouds

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
[illegible]	W1 41	25 02	0	7.34	G5V	3-3-3	Set 5 Svd B Bin. mns 8 1599 1639	
[illegible]	0021E	60 19		7.37	F8	4-8	" 5 N Bin. " 8 1641 1655	
						15/12	" 9	
							1 P.H + almost full log	

Date Sat - Sun Feb 24-25, 1962 **Observer** JDF - I (JD) **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
25945	HD 217312	22 54.8	+62 32	I-25	IIaO-b	.012	-5°	19:11	21:00	3
25946 a b	HD 31964	4 54.8	+43 40	I-25	IIaO-b	.008	-5°	21:31 21:37 21:44	21:34 21:42 21:52	1
25947	HD 62301	7 38.1	+39 49	I-25	IIaO-b	.008	-5°	22:09	1h 50	4
										1

Focus Test OTB/ITA

Dome Temp. 20° (12° at Hiedaugh)

Focus 15.10

Dome Temp. 12° F

Transparency Conditions Good

- fine ½ moon in east
01:30 wisps of cloud in south
1:50 general cloud from west - north
- closed up

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality
8:03 W	+62 53	0	7.8	B0 IV	4+4+4	Hd. Spec. Bin.	8 1658 ?	wk
~2:55 W	+43 44	1	3.5	F0 Ia	6+6	e Aur, Morris. Setting 4 { 2/4 mm 0 "		fair
4:05 W	+39 37	0-1	7.3	F8 V	6+6+6	Se HV, Roman 174, Set 8, Lens 3	31 1695 1750	fair
					20/15			

Set 3
- are made adjustment

3 PH's loaded
2 plates in box

Date Wed-Thu Feb 28-29 1962 **Observer** Hy — **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
25948	R144 HD 43318	6 10.5	-00 28	I-25	103a-08	.008	$-\frac{1}{2}^{\circ}$	20:25	21:05	
1729-197	γ Dem	6 35.4 61	+16 26		5,4,8	14		21:25		
1730-197	γ Dem							21:41		
1731-197	46 Tau	4 11.2	+07 37			50				
1732-197	ε Aur	4 59.1	+43 46			14		22:05		

Dome Temp. 18°F

Focus 15.21

Dome Temp.

15.30
.09
15.21

Transparency Conditions good at 20:30

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1h 07m W	-00°30'	1	6.15	F6 II	4-8	Set 5 Se HV forced to stop short (idiot!) 1756 1765 ⊼ 2⅓	
1h 13m W			1.93	A0 V		OKE STD again center ½ M at end	
						MK for ⊕'s - not done - too far west	
3h 30m W			3.0	F0 Ia		2nd ½ clouded out	

Date Thurs Fri Mar 1-2/62 Observer L-Ott Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
259 49	HD 37171	5 31.5	10 58	I 25	II 10B	Set .012	-10.1	19 50	22 30	2
259 50	" 91948	10 31.9	60 38	"	"	.008	-10.3	23 23	00 59	3
259 51	" 106156	12 07.8	+10 37	"	"	"	-10.8	01 30	05 30	4
		Focus Test	OT73/1T4				-11.0			

Dome Temp. +6 F
Focus 15.04
Dome Temp. 0 F

Transparency Conditions. Clear, high clouds (?)

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
315W	11 02	01	7.59	K5III	6-6-6	Hi Vel Spect Bin. Lens 8 1766	Fuzzy
013W	60 18	0	7.37	F8	6-6-6	N " " " 7 1777 1781	bad
343W	+10 13	0	8.71	~~G8V~~	6-6-6	R 281 Se HV " 9 1784 Set 5 Set 9	poor OK

1 PH loaded NOT SPOTTED

Sorry
While using the slow motions, sparks were flying everywhere
Is this customary?

Date..... Observer..... Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
	Focus Test									

Dome Temp. .....

Transparency Conditions .....

Focus .....

Dome Temp. .....

Mar 2.162 Changed to 12½" Camera 25" Was Focus 15.04 Filt 23.15 12½" Focus 12.60 Filt 20.35

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						Set 1 Focus 12.50	
						Set 4 Focus 12.70	
						Set 9 Focus 12.60	

Date Friday Nov 23 1962 **Observer** vdB + Fe / MS **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25952	HD 36960	5h 30m.1	-06°05'	12"	IIa-O	.008	-8°C	19 39	19 45	1
	"	"						19 46	19 58	
25953	HD 47129	6h 32.0	+06°13'	12"	IIa-O	.008	-8°C	20 10:	20 42	1
	"	"	"	"	"	.016	-7°C	20 47	20:52	2
	"	"	"	"	"	.016		20:53	21:01	2
25954	HD 66238	7 28.7	+25°09	"	"	.008	"	21 15	22,31	3
25955	BD+46°1304	9 41.0	+46°42'	"	"	.016	"	22 45	00 50	3
25956	BD+45°1859	10 38.3	+45 12	"	"	.016	-7.2°C	01 11	03 29	1
25957	HD 123782	14 04.6	+49°56'	"	"	.008	-7.5	04 30	4 50	2
	"	"	"	"	"	"	"	04:50	5 22	
	Focus test									

Had trouble with dec. clamp, but managed to free it. When unclamped, however, QM. would not work. So it was necessary to leave it partly clamped to get QM to run. It does not appear that the clamp is dragging at all with this arrangement.

Dome Temp. 10

Transparency Conditions Fine

Focus 12.50

Dome Temp. +5

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
37m W		0	4.5	B0	9	5 bright w comp w/ ADS 4182 1 count set 1	fine
50m W		–			9	8 5 counts set 7	
30m W	+6°08'	0	6.1	06	9	2 (6 mag) JDF 5 counts set 7	
		0-1			5	4 2½	fine
50m W		0-1			2½	9 5	
135	+2502	0-1	8.01	G2V	3+3+	vel B (RB) (Rosy St lost comp) 44 -06	fine
1.30W	+44 23	0-1	9.39	A5	3+3+3	KAFS 65 -06	fine
3.10W	+44 54	0-1-0	9.59	F4	3+3	KAFS 22 -34	fine
						— cut off because of deteriorating seeing.	
1.09W	+49 38	0	6.8	M2	3+3+3	Std. vel. 1991 7161 set 3	fine
1.42W	"	00	"	"	3+3+	" 2062.2182 set 7 set 10	fine
				1P.H		+2 boxes	

Dec. slow motion runs very erratically.

Date Sat/Sun Mon 3/4, 62 Observer MR-I Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25958	see note HD 36959-60	5h 30.1m	-6° 05′	I 12½	IaOB	set .01	-7.5	19 43	—	1
						16		44		
						16		45		
						avg .009		47		
						8		49		
						8		51	19 53	
25959	HD 47432	6 33.5	+1 42	"	"	.008	-7.5	20 27	20 38	2
						8		20 38	21 01	
						set .016		21 01	21 16	
						16		21 16	21 23	
25960	HD 84059	9 37.4	+45 11	"	"	set .008	-7.7	21 48	1h 50	1
25961	HD 115043	13h 09.5m	+57°14	I-12.5	IaOB	.008	-7.5	2:07	2h 51	1
25962	HD 134063	15h 02.8	+22°57	I-12.5	IaOB	.008	-7.5	3:03	5h 45	1
	Focus Test	OTB								

Dome Temp. 12°F

Focus 12.50

Dome Temp. 10°F

Transparency Conditions Fine

1:30 : seeing deteriorated (in west)
2:45 : strong odour of skunk -

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality
	-5°59'	00	4:	B0.1	–	set 0 at 2½ set 7	Glass with the	
						" 2 " 5	wrong star in the light	
						" 4 " 7½	& still stars on bad	
						" 8 " 2½		
						" 10 " 5		
0:47 W					9	" 6 " 7½		
	+1 38	00	6.0	09		" 2 at 5 set 8	7239 / 2244	
						" 4 " 10	2244 / 2254	OK
						" 6 " 10	2254 / 2264	
1:14 W					5*	" 8 " 5	*at set 10	2270
2:26 W	+44 51	0	7.50	A8	3+3+3	" 5 KAFS p 2	Set 10	2275 / 2310
0h 01m E	+56 55	0	7.3	G1V	3+3+3	MK STDS Set 5	Lens 8	2406 / 2432
1h 07m W	42 43	H	8.74	G8III	2+3+3	Se GHV Roman 351	Set 5 Lens 10	2457 / 2567
					9/7	Set 9		
						3 PH's looked	+ 2 bows (not full)	

Date Sun Mar 4-5/62 Observer Hd Hy Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25963	42 Ori	5 30.4	-4 54	J-12	~~IIaO~~ IIaOB	Long slit .008	-6.0	19 28	19 32	2
						.008		19 33	19 35	
						.016		19 36	19 35	
								19 39	19 40	
25964	θ^2 Ori A	5 30.5	-5 29	"	"	.016		19 45	19 48	2
						.008		19 49	19 54	
1733-198	M1 Crab	5 32.1	+22 06		8/5/46	50		20 24	20 47	
25965	HD 66141	07 57.1	+62 36	J-11	IIaOB	.008	-5.5	22 16	23 51	
~~25966~~	HD 89449	10 19.3	+19 59	"	"	"		23 01		

Dome Temp. 12°

Transparency Conditions good - late - poor

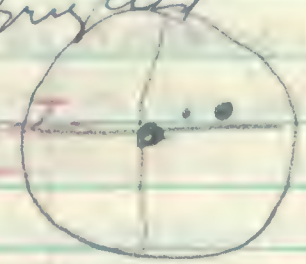
Focus

Dome Temp.

Eyep meter not working

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
			4.5	B1	9	set 7	Out of focus focused on stand
						" 3	
						" 5	
W39m	-4 53					" 7	
			5.0	D9	5	" 1	
W55m						" 3	
1 32 W							
	+0235		5.5	K?	9	adl smob few objects available thin clouds	
			5.3	F5			

Brighted



Brighted star in very close cluster of 4.

Some slight dange of cloud.

STD VEL 2579 2593

STD VEL — NO GOOD, CLOUDE AFTER ~2 min. closed up.

207

Date Thu Fri Wed 8-9 Observer Q - L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	I
2596A6	HD 482117	6h 37m2	-6° 0'	I-12	IIaoB	long .006	+2°	20h 05m	20h 45m	2
2596/7	BD+44° 1875	9h 36.6	+44° 15	I-12	IIaoB	narrow .016	+2°	21h 26	00 50	4

Dome Temp. 32°

Transparency Conditions fair

Focus

Dome Temp.

Clouds on W. horizon

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	00h 53m	−06° 03	0	6.9	Bg	3.3	Set 1 {2599-2606} ① decl. circle setting "slow motion" does not work, F's pony? ✓	fine
							→ this plate has received only 4 counts and 2 comparisons	
50 4	01 37m	+44° 10	0	9.95	Fg	3.3	Set 5 2615-2618 — Exposure water drops off balance KAFS ~~[illegible]~~ pony? Increasing clouds today, too to be 1 P.M. Leaves returned after	fair

Date Sat Mar 10-11/62 **Observer** Hd - I **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	
259664	MWC 96 HD 23982	03 44.3	63 11	I-12	EaOB	016	+5.0	20 09	21 05	3
259679	MWC 190 HD 65875	07 55.8	-2 36	"	"	008	+5.0	21 17	21 47	4
259680	HD 82059	9 24.6	+30 00	"	"	016	-4.0	~~21 29~~	2h 35	1
	Focus Test OTB									

Dome Temp. 36F

Focus 12.50

Dome Temp. 29°F

Transparency Conditions Fair

0^h30 - rising cloud in south

2^h00 seeing poor in west

- general cirrus cloud

2:45 - integrator stops, so does [illegible]

Starting Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1:[illegible]	W 4 10	63 22	0	8.1	B3e	2-2-2	set 5 Be pro C Limit 58 HA runs 2 2672 2679	[illegible]
[illegible]	W 45m	-2 50	0	6.4	B2e	3-3-3	" 5 " runs 6 2681 2684	Poor
[illegible]	3h 59 W	+29° 44	0	9.5	F3	1-2-6	" 5/7 KAFS false star on wrong C* runs 10 2791 2790	strong
							about 8 counts are resets	
						9/7	Set 3	
							1 PH loaded + 1 box [illegible]	
							Bad contact to Dipole — needs rewiring	
							Box. meter erratic as last night ✓✓✓	

Date Wed-Thu Mar 14-15 1962 Observer Hy - Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
~~25969~~	~~HD~~									
			Jupiter							
25970F	Focus test					OTB		T = +1°C		3

Dome Temp. 36

Focus

Dome Temp.

Transparency Conditions Cloudy in South 1/3 of Sky

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						Sidereal clock is out: correction is +1m.5 to clock. This was determined by finding Sirius. (Sirius does not seem to be split by the 74".)	
					8/6	Set 1 — 12.70 / 12.65	
						" 3 — 12.60	Best focus ~~12.54~~ 12.62
						" ~~5~~ — ~~12.55~~	
						" ~~9~~ — ~~12.50~~	
						7 — [illegible]	
						9 — [illegible]	
						11 — 12.55	

Date Sat June 17-18/62 **Observer** Kd - I **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25971	MWE 190 HD65875	7 55.8	−2 36	I-12	IIaOB	008	+2.1	19 56	20 12	2
25972	MWE 189 HD65176	7 52.4	−1 20	"	"	"	+2.3	20 20	21 20	3
25973	BD+45°1764	9 40.2	+44 50	"	"	016	+3.1	21 39	23 39	4
					Focus	016	Test	OT	B	
25974	HD [illegible]	10 [illegible]	+45 22	"	"	016	+2.5	23 50	2h 30	1
25975	HD 144889	16 03.0	+22 06	I12	IIaOB	008	+2.8	3h 11	3h 47	2
25976	HD 154278	16 59.4	+13 42	I12	IIaOB	008	+2.8	4h 00	4h 30	3
25977	~~HD~~ Set	18 51.7	−5 58	I12	IIaOB	008	+2.8	4h 46	5h 03	4
	Focus Test		018			008				

Dome Temp. +34F
Focus 12.62 (re-set)
Dome Temp. +29°F

Transparency Conditions fair (3/4 moon)
Clocks were wrong, have now corrected them
00h15 – beautiful meteor due south, heading

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
E 21m	−2 47	0	6.4	B2e	2-2-2	Set 2 Bepsy Lens 7 799 803	fair
W 50m	−1 31	0-1	8.1	B5ne	2-2-2	" 5 " " (Lost zone time) Lens 8 804 809	poor
W 1h19	44 32	1	9.58	F7	1-1-1	" 5 KAFS Lens 10 818 825	poor
					5/4	Set 2	OK
3h18 W	+45°02	1	7.76	K5	1-1-1	" 5 KAFS Lens 10 856 974	fine
0h53 E	+21°56	1	7.51	K4 III	1-1-1	Set 5 Roman 389 SeGHV Lens 8 3067 3024	fair
1h02 E	+13°37	1	7.11	K1 III	1-1-1	Set 5 Roman 407 SeGHV Lens 8 3025 3042	fair
2h26 E	−5°54	1	6.40	K2 III	1-1-1	Set 5 Roman 455 SeGHV Lens 7 3043 3048	fair
					5/4	Set 9	

1 PH located; No fresh plates at Dome – require another special in dome

Date Sun Mar 18-19 1962 **Observer** Hy — Hr **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
25978	MWC 174 HD 57386	07 15.9	-08 15	I-12.5	IIAO-8	.008	+6°c	19 32	20 46	1
25979	BD +45° 1753	09 36.7	+45 30	"	"	.016	+5.5°	21 00	01 50	2
				LIGHT C	LOUD		TILL	0300		
	EX MTR TESTS.							0300	0530	
	FOCUS TEST.			OTB						

Dome Temp. 35°F

Focus

Dome Temp.

Transparency Conditions good but 3/4 moon

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
!	-8°22	0-1	8.1	Bsne	9	Be Prog Set 5 ~~Set 8~~ exp meter works not	
0338W	+45 12	0-1	9.87	B8	2-1-2	KAFS Set 5 —	
						advize 3½ hr (est) of a bit less (see plate	
						only visible star in field (moonlight) 25157)	
					6/4	Set 9	
						3 P.M. + ?	

Date Thurs. Mar. 22-23/62 Observer L- Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25980	BD +45° 1758	09 38.7	45 24	I-12½	IIAoB	Set .016	+4.0	21 41	00 23	3

Dome Temp. + 35°F

Transparency Conditions Fair

Focus

Dome Temp.

Start delayed by several difficulties

...ing Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23	2 25 W	45 07	0-1	9.99	G2	2-1-2	KAFS Set 10 {3552 3600	

Date Fri Mar 23/24-62 Observer L - Ms Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25981	MWC 188 H.D. 65079	07 51.9	03 14	I-12½	IIAoB	Set 008	+5.2	20 00	21 26	4
25982	" ~~3~~ 8/2011	09 24.2	30 28	"	"	" 016	+5.2	21 33	00:15	1
25983	HD. 135741	15 11.6	+59 56	"	"	"	+5.4	00:50	02:48	2
25984	HD. 149363	16 29.1	−05 56	"	"	008	+5.4	03:14	04:50	3
25985	HD 172044 ADS 11504 A	18 32.9	+3~~7~~ 3 23	"	"	"		05:06	05:12	4
	"	"	"	"	"	"		05:15	05:19	4

Dome Temp. +36°F

Transparency Conditions Fine - but windy

Focus

Dome Temp. +27°

ing Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS			Quality
26	1 18 W	03 03	O!	7.7	B3he	3-3-3	Be Prog.	Lens 8	3614 3621	
15	2 35 W	30 12	0	10.09	B9	2-1-2	KAFS Prog.	" 10	3622 3668	
48	0 36 E	59 37	0	9.45	F5	2-1-	KAFS	10	3686 3736	fine
50	0:08 W	-06 06	0	8.0	O9	3-3-3	Radcliffe OB	10	53 06	l strong
12	1 32 E	+33 25	0	5.4	B9	4-	Std. vel. B star	set 5	38 17 42	strong
19		"	0	"	"	9		set 7	42	weak

Thin clouds at end.

I P H. loaded + a box

Date Sat/Sun Mar 24/25 '62 **Observer** vdB - I **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1733-198	γ Gem	06 35.4	+16 26		5/4/8	28		1923	1x only	
1734-198	γ Gem	"	"		5/4/8	28		1954	2+	
1735-198	ρ Gem	07 26.2	+31 52		6/3/16	50		2022	2+	
1736-198	2 Leo	10 06.2	+12 10		5/4/8	28		2050	2+	
1737-198	2 Leo	"	"		5/3/8	28		2117	2+	
1738-198	γ Gem	06 35.4	+16 26		5/4/8	28		2131	2x	
1739-198	2 Leo	10 06.2	+12 10		5/4/8	14		2153	2+	
1740-198	61 UMa	11 38.7	+34 28		6/5/24	50		2231	2+	
1741-198	BC Vir	12 31.9	+41 38		6/4/24	50		2314	2+	
1742-198	2 Leo	10 06.2	+12 10		5/4/8	14		2337	2x	
25986	76 UMa	12 56.4	+56 54	IR2.5	IIaOB	008	+1.9°C	00h36	00h40	1
	✓						1.9	00h42	00h50	1
	✓						1.9	00h52	01h04	1
25987	HD 147379	16 16.6	+67 29.8	IR2.5	IIaOB	008	+1.9	01h35	05h13	2
		Focus	Test	OTB						

Dome Temp. 36°F

Focus

Dome Temp. 32°F

700V no CO_2

Transparency Conditions Perfect except for Ci. 2° above western Hor. Wind NW.

Dup 22:15 perfect

2:30 ~~testing~~ parked in north

Wind too strong to move dome for North

Hour Angle End mid	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality
0h45m W						δ clamp out of order; repaired by Frank		
1h17m W						Stand		
0h55m W		0	4.18	F0V		17V. ST		
1h16m E		0	1.25	B7V		Stand		
1h01m E						Stand		
2h55m W						Stand		
0h11m E								
1h04m E			5.46	S8V				
1h19m E			4.9	S0V				
1h30 W						Stand	int. spikes (passing trucks (Cayon.)	
						MK STANDARDS		
00h25m E	+76 38	0	5.3	F2V	9	~~Radcliffe OB Program~~	Set 2 Lens 6 3360 3362	
00h18m E	+56 38	0	✓	✓	9	✓	Set 5 Lens 3364 3368	
00h13m E	✓	0	✓	✓	3-3-3	MK STANDARDS	Set 8 Lens 6 3370 3378	
00h00m W	+67 21	0	10.01	A0V	3-3-3	~~Radcliffe OB Program~~	Set 5 Lens 3881 3951	
					6/4	Set 9	2 PH loaded + 1 box	

Date Sun/Mon March 25/26, '62 **Observer** Fr - Hv **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	I
25988 a b c	HD 37202	5 31.7	+21 05	I-12	IIaO b	.008	+5°	19:40	19:49	3
25989	HD 42233	6 4.5	+15 56	"	"	.008	+5°	20:09	22:45	4
25990	HD 89449	10 14.3	+19 59	"	"	.008	+5°	23:15	23:24	3
25991	HD 103095	11 47.2	+38 26	"	"	.008	+5°	23:43	00 23	1
25992	HD 114071	13 03.0	29 59	"	"	.016	5.0	01 04	0512	2
	Zone 7 of 07B					"				

Dome Temp. 38°

Transparency Conditions Fair

Focus

Dome Temp.

0100 Not in centre NORTH ??
PRISMS

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality
44	2.10 W	+21 06	1	3.0	B3e	9	Be Star PH. settings: 2, 4, 9	Setting 7 { 3 counts, 5 ", 7 "	[illegible]
45	4 34 W	+15 54	1	8.0	G5	3+3+3	KA 6×6	9 | 4001, 4049	[illegible]
34	1 02 W	+19 38	2	5.3	F5	4+5	Std. Vel. Star	8 | 4056, 4072	[illegible]
23	0028W	+37 59	1-2	7.3	G5	3+6	Std. Vel. Star	8 | 4077, 4097	[illegible]
12	0403W	+29 40	0	10.08	F8	2-1-2	Sets 5 K.A.F.S. field checks	#10 | 4099, 4161	[illegible]
						4/3	" 9		OK

1 P.H + log

Date Mon-Tue March 26/27 Observer MR - Hv Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
25993	BD +36° 1875	09 26.6	+30 02	I-12	IIaO B	.016	+6.7°	20 17	23 59	3
	7 Lyns 9 est		0 73			"				

Dome Temp. +36°F

Focus 12.62 read

Dome Temp.

Transparency Conditions

Still loose contact on arc

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0228 W	+29° 45′	1	9.73	F0	2-12	Set 5 KAF5; KA53. 10 {4178 / 4278	Cloudy
					4/3	" 9	OK
						4 P.H. + 4?	
						0030 Too Windy * won't stay on slit wind moves dome.	
						NEED MORE STARS	

Date Tue/We Nov 27/28 '62 Observer vdB – HV Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1743 – 199	γ Gem	06 35.4	+16 26	S	5/4/8	28		19h 28m	2x	
1744 – 199	ρ Gem	07 26.2	+31 52		6/4/16	50		19h 50m	2x	
1745 – 199	NGC 2158	06 04.4	+24 06		8/6/40	50		20 30	51–34 34–51 1cl+1sky 51–34 34–51 sky clock	
it cannot see NGC 2419 in F-dW or in 74"										
1746 – 199	α Leo	10 06.2	+12 10		5/4/8	28		21 15	2x	
1747 – 199	γ Gem	06 35.4	+16 26		5/4/8	28		21 38	2x	
1748 – 199	α Leo	10 06.2	+12 10		5/4/8	28		22 07	2x	
1749 – 199	61 UMa	11 38.7	+34 28		6/4/24	50		22 27	2x	
1750 – 199	β CVn	12 31.9	+41 38		6/4/24	50		22 51	2x	
1751 – 199	NGC 4147	12 07.6	+18 47		8/5/50	28		23 20	2x + sky	1x
1752 – 199	1753*	13 10.5	+18 26		8/5/50	28		23 55	2x + sky	1x
25994	BD +44°2112	11 33.2	+44 39	I 12.5	IIaOb	.016	+6	0050	0501	1
	7 stars 7 at		O.?B.			"				

* M53 not 1753 (1753)

Dome Temp. +43°F

Focus

Dome Temp.

680V No CO_2

Transparency Conditions Ci up to 15° alt. in W possibly slightly hazy obs. probably OK

Hour Angle Mid. End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1h03m W		1				Stand	
0h34m W		1	4.18	F0V		MK Standard	
2h35m W		1	11.8			very scattered but clearly recognizable	
2h55m W						⊕? 200 drifts badly	
0h40m E		1	1.25	B7V		Stand slightly hazy ??	
3h13m W		0				Stand	
0h07		1	1.25	B7V		MK Stand	
1h00 E		1	5.46	G8V		MK Stand	
1h30 E		1	4.9	G0V		MK Stand 2310 A few isolated clouds appeared	Probably NOT photometric
0 35 E			11.01			⊕ NOT	
1h05 E			8.68			⊕ probably OK	
0530 W	44 14	0-1	9.65	F7	2-3	Set 5 KAFS Field checks #10 4293 4384	
					4/3	" 9	
						3 P.H. +4.	
						TEL. + EX. MTR. both run like Tops all night!	

MR

Date Mon/Tue April 2/3 1962 **Observer** Hy - Hy **Julian Day**

Plate No.	Object	R.A. 1900 ~~1900~~ 61	Declination 1900 61	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1753-200	γ Dem	06 35.4	+16 26		4,6,8	30		20h:48m		
1754-200	"	"	"		"	"		21 11		
1755 -200	ρ Dem	07 26.2	+31 52		6/4/16	50		21 ~~40~~ 43		
1756 -200	α Leo	10 06.2	+12 10		5/3/16	50		22 06		
1757-200	"							22 28		
1758-200	βC Vn	12 31.9	+41 34		6/4/24	50		22 57		
1759-200	61 u Ma							00 07		
1760 - 200	M53 ⊕				8/5/40	50!		00 52	~~01 49~~	
1761 - 200	M53 ⊕				8/5/40	28		01 16	01 49	
	—							~~01 44~~		

Dome Temp. 25

Transparency Conditions good

Focus

Dome Temp.

Hour Angle ~~End~~ Mid	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
$2^h 48^m$ W end				A0		one way only - zero rises	
$3^h 10^m$ W						centring only fair at end	
$2^h 51^m$ W			4.18	F0		restarted due to overflow	
$0^h 30^m$ W mid			1.25	B7V		all clear 21:30	
$0^h 56^m$ W						went to ~λ2000 due to phone call from Clarke	
$1^h 00$ E + $0^h 49^m$ E				G0		← in Boston. ← Centring bad 1st scan	
$1^h 02$ W			5.46			centring. re-ran 2nd ½.	
$0^h 16^m$ W $1^h 12^m$ See trace							
						Scan back at 1:40 ! 2:00 cloud rising in SW. !	
						end. completely cloudy.	

Date Tue Wed Apr 3/4 '62 Observer Hy - Hy Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1762-201	γ Dem				4,6,8	30		19h 38m		
1763-201	NGC 2158	(Bright Star)	see map		7,5,32	30		20 10		
1764-201	"				"	30		20 45	21 09	
1765-201	α Leo	10 06.2	+12 10		?5,4,25	30		21 24		
1766-201	61 UMa	11 38.7	+34 28			50		22 01		
1767-201	β C Vn				5,6,25	50		22 24		
1768-201	α Leo (and	continuous 1769-201	A cl 30)		4,5,25	50		22 49		
	NGC 4147	12 10.2	1960 = +1831		Could'n find					
1769B-201	M53 ⊕				8,5,40	28		00 26	00 46	
1770-201	M3 ⊕				7,6,40	28		01 09		
1771-201	α Leo				4,5,8	50		01 44		
1772-201	α CB				5,4,8	50		01 59		
1773-201	σ Boo	14 32.5	+29 57		6,4,15	50		02 20		
1774-201	M5 ⊕	15 16.0	+02 15		7,6,40	28		02 45	3:03	

Dome Temp. .....

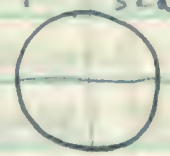
Focus .....

Dome Temp. 28

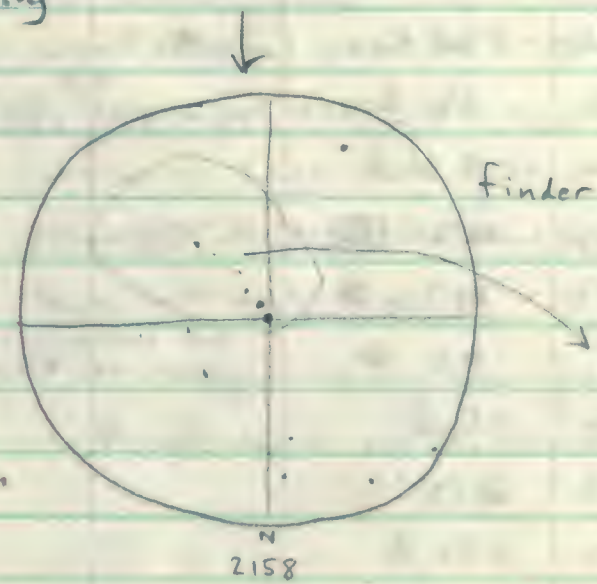
Transparency Conditions ....good....

perhaps just slightly "light"

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
$1^h 41^m$	back					Centring bad end of 1st scan	
$2^h 43^m$	$2^h 37^w$					small diaphragm →	
3 19				sky one way only			
$0^h 03^m$ E end 91	$0^h 08^w$ begin 2nd	first scan back spoiled due to centring					
$1^h 00^m$ E							
$1^h 28$ E							
$1^h 21^m$ W							
0 06 E	00 14 W						
0 08 W				sky one way			
4 17 W				← " " !			
0 54 E				← I hope this is not in eclipse!			
0 27 W							
0 07 W							



N



3:45 : closed over!

— tried to do M80 at ~ 3:15 but it is too faint*! Same for M4, M19! * or sky is bad

Date Wed Thu Apr 4/5 1962 **Observer** Hy – **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1775-202	γ Dem				4,6,8	28		20 42		
1776-202	"				"	"		21 00		
1777-202	α Leo				4,6,8	28		22 09		
1778-202	21 Y me				5,6,16	50		22 34		
1779-202	σ Boo				5,6,16	50		23 06		
1780-202	45 Boo	15 05.3	+25 03		6,6,30	50		23 33		
1781-202	β Vir				5,6,30	50		00 02		
1782-202	M53 ⊕				8,5,35	50		00 33	00 53	
1783-202	M3 ⊕				7,6,40	28		01 22		
	M5 ⊕	not sufficient response even at 8,5,40 ; ~~will [illegible] to stars~~								
1784-202	α G B				5,4,8	50		02 55		
1785-202	⊕ M13				8,5,40	28		3:20	3:41	
1786-202	α Cr B				5,4,8	50		4:07		
1787-202	110 Her				6,4,16	50		4:31		

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.		REMARKS	Quality
$2^h 50^m$					Zero a bit unstable		Evening started partly cloudy.	
no good.	call from	Clarke	in	Boston			Tried to find KAFS Hins 307	
$0^h 45^m$ W							but failed: the star at the given	
$1^h 15^m$ W	but see trace			A7			position seems too bright (one	
$2^h 43^m$ E				F2			count at sens 10 in 20 seconds).	
$2^h 47$ E				F5	—	Tracing looks more like K0	looked at NGC 2158 again,	
00 58 W				F8			comparing finder field with Harvard Annals	
00 05 W	00 24 W						106 #2 (Cuffey 1937) to identify star	
00 28 W	00 46 W						taken last night. No go!	
							Night is far from perfect	
00 07 W							though there are no clouds	
00 35 E	0 14 E							
1 17 W								
1 29 E		SKY	test	negative			Down.	

Date Fr/Sat Apr 6/7 '62 **Observer** vdB - Ms **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25994 5	HD 60298	7 28.7	+25 09	12"	IIaO b	008	+09	19 55	21 30	2
25998 6	BD +45° 1859	10 38.3	+45 12	12"	IIaO b	016	+04	21 45	00:45	3
259967	Hiro 138 HD 136244	15 14.5	+60 29	"	"	"	+9.0	02 34	03:52	4
	Focus test									

A pin in the Dec. S.M. drive sheared while setting on a star when the tangent nut reached the end of the screw. About an hour was spent repairing this, plus 20 minutes setting the nut to the middle of the tangent screw. Could G.F.L. have a look at this? The replacement pin is not the same as the original. The pin which sheared is just below the upper universal joint. - Ms

Dome Temp. 48°F
Focus Unchanged
Dome Temp. 40°F

Transparency Conditions 1. Partly cloudy (Cl - varies thick)
2. clear, slightly hazy
3. cloudy at end.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
30	2h 40m W	+25 02	2	8.01	S2V	3+3+3	vdB (SB) 4400 4420	skimpy
45	2h 46 W	+14 54	2	9.59	F4	2+1+2	KA 30 Hins 317 4422 —	fine
52	1:21 W	+60 13	2	9.08	K3	2+2	KAFS Hins 138 Apo. 4432-74 = 42 counts	fine
	- exposure terminated by clouds.							OK

1 P.H. + boxes

Sat Apr 7 150 Visitors. Rain at first. Planetarium demonstrated 74-inch. Later showed 5 films.
1 Hd - L.

δ Slow motion in poor shape!

Expo. Motor does not work on Seq. 9

Venus

Seki-Lines m ≏ 4
Stellar nud m nucleus ≏ 5 5° tail

Date Su/Mo Apr 8/9 '62 **Observer** WB **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
1788-203	γ Gem	06 35.4	+16 26		5/4/18	28		19 48	2x	
1789	Source				5158A	5/4/18	20	05		
1790	21 LMi	10 04.8	+35 27		5/6/16	50	20	22	2x	
1791	α Leo	10 06.2	+12 10		5/3/8	28	20	46	2x	
1792	Source				5/4/16	5158A	21	05		
1793	ε Leo	9 43.6	+23 58		5/5/16	50	21	18	2x	
1794	β Vir	11 48.4	+02 02		5/5/16	50	21	42	2x	
1795 ⊕	NGC 4147	12 07.8	+18 47		8/5/40	28	22	16	⊕ sky sky ⊕	
1796 ⊕	M53	13 10.7	+18 24		8/5/40	28	23	01	2x + 1 sky	
1797 ⊕	M3	13 40.1	+28 37		8/4/40	28	23	35	2x + 1 sky	
1798	α Leo	10 06.2	+12 10		5/3/16	28	00	12	2x	
1799	Source				5/4/16		00	27		
	NGC 54 66	cannot be found in Eye piece								
1800 ⊕	M2	15 16.3	+02 15'		8/4/40	28	01	07	2x no sky	
	↖ 5².				Many thin Clouds			Gave up 1:30		

Dome Temp. 46°F

Focus CO_2 in 1925

Dome Temp. V 700

Transparency Conditions Ci to 10° in W to 25° in S. Sky a bit hazy. Not as very good as night; might just be OK

Reading Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
x	2h10m W		0-1				Standard	
2x	0h45m E				A7		MK Standard	
2x	0h23m E						Standard	
2x	0h30m W			29950 II			MK Stand ← 21:30 Sky looks ok. (Slightly Hazy)	
2x	1h08m E				F8 V		MK Stand (Drifted out during 2d obs)	
sky ⊕	0h52m E + 0h35m E						⊕ Moon 12° Above W. Hor. Golf Club lights out Sky OK	
x. sky	1h12m E						⊕ sky ok except for clouds low in SW	
x. sky	105 E						⊕ 1155 Ci up to 30° ALT in South	
x	304 W	near Cirrus		probably no good			Standard Ci up to Zenith and near Arcto	
x + sky	1h11m E						Clouds there no good!	

NEED NEW BULB FOR FLASHLIGHT!

Date Tues-Wed, April 10-11, '62 **Observer** Fe - Hr **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
~~25997~~	~~BD +45° 1758~~	~~38.7~~	~~+45 24~~	~~I-12½'~~	~~IIaO-G~~	~~.016~~	~~+6°~~	~~20:16~~	22:58	1
25998	HINS 138 HD 136244 Focus Test	15 14.5	60 29 O.7.B.	"	"	"	+7°	0017	0311	4

Dome Temp. 39°

Focus

Dome Temp.

Transparency Conditions Fair

21:50 Thickening haze
22:30 Haze turns to light cirrus

ling Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
58	~~2:16 W~~	~~+45 25~~	~~0~~	~~10.0~~	~~G2~~	~~2+2~~	~~KAFS, Hiis 307~~ Exp. meter shutter working 10 | 4503 ?	Spoiled by clouds
							Cloud so thick that star could no longer be seen.	Plate discarded
11	0054W	60 14	0-1	9.08	K3	2-3	Set 5 KAFS #9 4525 4525	Poor, OK
						4/3	" 9 4625??	
							3 P.H. +4.	
							We need some bright stars for 2nd half.	

Sat Night Cp ~Ms 160 visitors
Lecture to first group
moon to second group thru haze.
Sept 14/62

241 See previous page for note re. visitors

Date Sat-Sun April 14/15 1970 Observer MS Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
25999	Hiss 625 H.D. 133965 Focus Test	15 02.2	+29 35	I-12½	IIa-O baked	.016	+3.4 43.2	01:34	04 08	1

Dome Temp. +30

Focus

Dome Temp. +28

Transparency Conditions

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
02 18W	+29 20	0-1	9.42	F6	2-2	set 5 KAFS sens. 10 4677 726 48 counts	[illegible]
							C 2 [illegible]
	2 P.H. +4						
	cut off by clouds.						

Date 1962 April 15/16 Sun-Mon Observer MR – HV Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
26000	HINS 117 HD 95866	$10^h\ 58^m.6$	+59° 27′	I-12½	IIaO-b	set .016	+1°.6	20:44	23:50	3
26001	HINS 344 BD +45° 2137	13 50.1	45 13	"	"	"	+1.2°	00 07	04 41	2
	Focus test.			O,T,B,						

Dome Temp. +32°F

Focus

Dome Temp.

Comet Seki-Lines 4° NW of Pleiades with 1° tail

Transparency Conditions good – few wisps

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2h 06m W	+59° 06′	2	9.86	G3	2-1-2	KAFS p.1 #1 Set 5, full checks. 10 {4745, 4845}	fine
04 04 W	44 54	0-1	9.57	F6	2-3	KAFS 5 of 5 #9 4854, 4902-5	fine
					4/3	" 9	OK
						I.P.H. +10	

Date 1962 April 16/17 Mon Tue Observer MR-H ✓ Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
26002	Hins 569 BD +29° 1907	$9^h 24^m.6$	+29° 33′	12″	IIaO	set .016	+1.9° C	20:03	23:48	1
26003	HINS 635 BD+29° 2751	$15^h 57.6$	+29° 42′	"	"	"	+1.6°	0:016	0408	2
	Moves	Test	0.7.B.							

Dome Temp. +32°F

Focus

Dome Temp. +26°F

Comet Seki-Lines
3° N 1 Pleiades

Transparency Conditions

a little cloud in West at 0300.

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3:48	3h 42m W	+29° 16′	0	9.89	F5	2+2	KAFS p.4. field checks set 8 (take star on set 8) 10 {4915 4950	fair
4:08	3 13 W	29 39	0-1	9.99	F5	2-3	" Set 5 #10 4995 5080	weak
						4/3	" 9	OK
							I.P.H. +8	

Wed-Thurs.

Date APR 18-19/62 **Observer** vdB-L-Hr **Julian Day**

Plate No.	Object	R.A. ~~1900~~ 1962	Declination ~~1900~~ 1962	Inst.	Emulsion	Slit	Spots ~~Temp.~~	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
~~26004~~	MOON	13 14.3	-03 30	NEWT.	I-Z		—	2059		
~~26005~~	"				"		—	2102		
26006	"				"		—	2112		
26007	"				"		—	2113		
26008	"				I-N		—	2129		1
26009	"				"		—	2130		2
26010	"				103a-D		YELLOW 40S?	2156		1
26011	"				"		YELLOW 4S	2157		2
26012	"				103aO		UV 3m	2222		1
26013	"				"		"	2223		2
26014	"				"		GG13 2S	2235		1
26015	"	①			I-N		—	0007		1
26016	"	②			103aD		GG11 10S	0016		2
26017	"	③			103aO		GG13 2S	0022		1
26018	"	④			103aO		UG-2 6m	0038		2
26019		⑤			103aO		NORMAL FOCUS 3m	0045		1

Dome Temp. +40° F

Transparency Conditions Partly cloudy at first Hazy later

Focus

Dome Temp.

ALL I-Z PLATES PARTLY FOGGED

Filter 1¼" in front of plate → dust marks

Hour Angle End	Declination	Filter ~~Seeing~~	Ptg. Mag.	Dia. ~~Sp.~~	Exp. ~~Comp.~~	Remarks		Quality
0246E	-03 36	—		—	10s	Focussed on α Leo. Plate Discarded		
		—		—	50s	"	"	
		89-B		—	10s	Red Filter } darkest of two is longest exposure		O.K.
		89-B		—	50s			V. Strong
		"		4"	5s			X. Strong
		"		"	25s			Black
		GG-11		2"	15s	Yellow Filter	Spots O.K.	V. Strong
		"		"	3s		" Weak	Perfect
		UG-2		"	20s	UV Filter	" V. Weak	Little Weak
		"		"	2s		" " "	Very Weak
0112E		GG-13		"	1s	Blue Filter	" "	Good
0018W		89B		1"	10s			
0027W		GG11		1"	10s	Through v. Thin clouds.		
0034W		GG13		1"	5s			
0049W		UG2		4"	10s			
0056W		"		4"	10s			

Date APR 18-19/62 CONTD **Observer** vdB-L-H **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	SPOTS ~~Temp.~~	Starting Time E.S.T.	Ending Time E.S.T.	P.
26020	MOON	6		NEWT.	103aO		GG 13 2s	0052		2
26021	"	7		"	103aD		GG 11 10s	0057		1
26022	"	8		"	I-N		—	0101		2
~~26023~~		1		"	"		—			1
		2			103aD		GG 11 10s			

Dome Temp. .....

Focus .....

Dome Temp. +33.

Transparency Conditions .....

...ing Time E.S.T.	Hour Angle End	Declination	FILTER ~~Seeing~~	Ptg. Mag.	DIA. ~~Sp.~~	EXP. Comp.	REMARKS	Quality
	0102 W		GG13		1"	5s	ALL PLATES DEVELOPED.	
	0108 W		GG11		1"	10s	Double exp	
	0112 W		89B		1"	10s	0100. CLOUDS.	
			~~"~~		~~1"~~	~~10s~~		
			~~GG11~~		~~1"~~	~~10s~~	P.H. #1 Loaded. I-N. No Spots.	

Date Thurs. Fri. APR. 19-20/62 Observer vdB-L-H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	SPOTS ~~Temp.~~	Starting Time E.S.T.	Ending Time E.S.T.	P.
26023	MOON (1)			NEWT	I-N		89B 10S	21 20		1
26024	(2)			"	103aD		GG11 10S	21 27		2
26025	(3)			"	103aO		NORMAL	21 38		1
26026	(4)			"	103aO		N	21 44		2
26027	(5)			"	103aO		N	21 50		1
26028	(6)				103aO		N	21 58		2
26029	(7)				103aD		GG11 10S	22 02		1
26030	(8)				I-N		89B 10S	22 08		2
26031	(1)				I-N		89B 10S	22 17		1
26032	(2)				103aD		GG11 10S	22 24		2
26033	(3)				103aO		N	22 33		1
26034	(4)				103aO		N	22 38		2
26035	(5)				103aO		N	22 43		1
26036	(6)				103aO		N	22 47		2
26037	(7)				103aD		GG11 10S	22 ~~48~~	55	1
26038	(8)				I-N		89B 10S	23 00		2

Dome Temp. +44° F

Focus

Dome Temp.

Filters in diafragm not optical → fuzzy images

Transparency Conditions Fine, except for small altocumulus clouds once in a while These can be avoided during exposures (#2310 26026)
From # 26026 on very Fine weather

Hour Angle End	Declination	FILTER ~~Seeing~~	Ptg. Mag.	DIA. ~~Ap.~~	EXP. ~~Comp.~~	REMARKS	Quality
0308E	-08.40	89B		1"	15s		
0300E		GG11		1"	10s		
0250E		GG13		1"	10s		
0245E		UG2		4"	8s		
0238E		UG2		4"	8s		
0231E		GG13		1"	10s		
0226E		GG11		1"	10s		
0221E		89B		1"	15s		
0212E		89B		1"	10s		
0205E		GG11		1"	7s		
0156E		GG13		1"	7s		
0151E		UG2		4"	6s		
0146E		UG2		4"	6s		
0143E		GG13		1"	7s		
0136E		GG11		1"	7s		
0130E		89B		1"	10s		

Date APR 19-20 CONTD Observer vdB-L-H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	SPOTS ~~Temp.~~	Starting Time E.S.T.	Ending Time E.S.T.	P
26039	MOON 1			NEWT	I-N		89B 10S	2309		1
26040	2			"	103aD		GG11 10S	2316		2
26041	3			"	103aO		*N	2336		2
26042	4				103aO		N	2342		1
26043	5				103aO		N	2347		2
26044	6				103aO		N	2352		1
26045	7				103aD		GG11 10S	2358		2
26046	8				I-N		89B 10S	0005		1
26047	1				I-N		89B 10S	0012		2
26048	2				103aD		GG11 10S	0018		1
26049	3				103aO		N	0030		2
26050	4				"		"	0036		1
26051	5				"		"	0040		2
26052	6				"		"	0046		1
26053	7				103aD		GG11 10S	0051		2
26054	8				I-N		89B 10S	0057		1

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

ding Time E.S.T.	Hour Angle End	Declination	FILTER ~~Seeing~~	Ptg. Mag.	DIA ~~Sp~~	EXP ~~Comp.~~	REMARKS	Quality
	0121E		89B		1"	22s		
	0115E		GG11		1"	15s		
	0054E		GG13		1"	15s	* = NORMAL SPOTTING	
	0048E		UG2		4"	15s		
	0044E		UG2		4"	12s		
	0038E		GG13		1"	15s		
	0033E		GG11		1"	15s		
	0026E		89B		1"	22s		
	0019E		89B		1"	15s		
			GG11		1"	10s		
	0002E		GG13		1"	10s		
	0005W		UG2		4"	8s		
	0009W		"		4"	8s		
	0015W		GG13		1"	10s		
	0020W		GG11		1"	10s		
	0025W		89B		1"	15s		

Date APR 19-20 CONTD Observer vdB-L-Hr Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.	Hour Ang. End
26055	MOON			NEWT	I-Z			0129		1	
26056	"				"			012930		2	005
26057	"				"			0137		1	
26058	"				"			0137 20		2	010
26059	"				"			0144 45		1	
26060	"				"			0145 28		2	0112

Dome Temp. .....

Focus .....

Dome Temp. .....

Transparency Conditions .....

ding Time E.S.T.	Hour Angle End	Declination	FILTER Setting	Ptg. Mag.	DIA. Stop	EXP. Comp.	REMARKS	Quality
			89B		FULL	7s	FOCUSSED ON α BOO	
	0057W		"		"	14s		
			"		"	7s		
	0105W		"		"	14s		
			"		"	7s		
	0112W		"		"	14s		

Date Apr 20/21 1962 Observer vdB - L - Hr Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	SPOTS ~~T~~	Starting Time E.S.T.	Ending Time E.S.T.	P
26061	MOON ①			NEWT.	I-N		89B 10s	2244		1
26062	②			"	103aD		GG11 10s	2249		2
26063	③				103aO		N*	2252		1
26064	④				103aO		N	2255		2
26065	⑤				103aO		N	2257		1
26066	⑥				103aO		N	2300		2
26067	⑦				103aD		GG11 10s	2304		1
26068	⑧				I-N		89B 10s	2306		2
26069	①				I-N		"	0000		1
26070	②				103aD		GG11 10s	0008		2
26071	③				103aO		N	0014		1
26072	④				"		"	0019		2
26073	⑤				"		"	0022		1
26074	⑥				"		"	0029		2
26075	⑦				103aD		GG11 10s	0033 30		1
26076	⑧				I-N		89B 10s	0043		2

Dome Temp. .....

Focus .....

Dome Temp. .....

Filters 1 foot in front of plates

Transparency Conditions Perfect !

Hour Angle End	Declination	FILTER ~~Seeing~~	Ptg. Mag.	DIA. ~~Ex~~	EXP. ~~Comp.~~	REMARKS	Quality
0230E	-11 44	89B		1"	15s		
0225E		GG11		1"	10s		
0222E		GG13		1"	10s	* NORMAL SPOTTING	
0219E		UG2		4"	10s		
0217E		UG2		4"	10s		
0214E		GG13		1"	10s		
0210E		GG11		1"	10s		
0208E		89B		1"	15s		
0115E		"		"	10s		
0107.5E		GG11		"	7s		
0102E		GG13		"	7s		
0057E		UG2		4"	7s		
0054E		"		4"	7s		
0047E		GG13		1"	7s		
0042.5E		GG11		1"	7s		
0033E		89B		1"	10s		

Date APR. 20-21/62 CONTD Observer VdB-L-Hr Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	SPOB ~~Temp.~~	Starting Time E.S.T.	Ending Time E.S.T.	P
26077	MOON ①			NEWT	I-N		89B 10s	0045		1
26078	②			"	103aD		GG11 10s	0051		2
26079	③				103aO		N	0100		1
26080	④				"		"	0107		2
26081	⑤				"		"	0109		1
26082	⑥				"		"	0116		2
26083	⑦				103aD		GG11 10s	0121		1
26084	⑧				I-N		89B 10s	0125		2
26085	"				I-Z		—	0200 05		1
26086					"			0200 45		2
26087					"			0207 12		1
26088					"			0207 50		2
26089					"			0213 28		1
26090					"			0214 05		2
26091					"			0219 22		1
26092					"			0219 51		2

Dome Temp. 41° F

Transparency Conditions EXCELLENT

Focus

Dome Temp.

Hour Angle End	Declination	FILTER ~~Setting~~	Ptg. Mag.	DIA ~~Sq.~~	EXP. ~~Comp.~~	REMARKS	Quality
1 0031E		89B		1"	22s		
2 0025E		GG11		1"	15s		
0017E		GG13		1"	15s		
2 0010E		UG2		4"	15s		
1 0008E		"		"	"		
2 0001E		GG13		1"	"		
1 0004W		GG11		1"	"		
2 0008W		89B		1"	22s		
1		89B		FULL	7s	FOCUSSED ON β Lib.	
2 0042W		"			14s		
1		"			7s		
2 0050W		"			14s		
1		"			7s		
2		"			14s		
1		"			7s		
2 0102W		"			14s		

Date Mar - Jun 1962 Apr 23/24 Observer DiR - HS Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
26093	Hius 125 HD 97438	11h 07.7m	+60° 18'	I-12½	Ia-06	2nd .016	+9.6C	21:47	0126	3
26094	HD 172403	18 34.9	-09 14	"	"	"	9.7	0149	0430	4
	Focus Tests			OTB						

Dome Temp. +40°F

Focus 12.62 read

Dome Temp.

Sat Apr 21-22/62 Cloudy
Hd. Hy showed "Universe"
and demonstrated 74"
to 160 visitors.

Transparency Conditions Clds at sunset blew W to N
Delay start a/c frozen chain came
off

Reading Time E.S.T.		Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
26	3	0404W	+59°56′	0	9.81	A8	2-1-2	Sets 5 KAFS p. 1 P.H. Back on upside down Cutoff by dawn. #10 {5119 5182	fair
30	4	0018E	-09 10	00	9.28	B9 Ib	2.3	" 5 O.B. #10 5186 5241	fair
							4/3	" 9	OK.

1 P.H. +6

Windy, telescope unsteady all night.

Date Tues Apr 24-25/62 Observer Hd Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.
26095	Hins 307 BD+45° 1758	9 38.7	+45 24	I-12	IIaO B	016	+12.0	20 10	22 34
			Focus		Test	016			

Dome Temp. +51

Transparency Conditions

Focus

Dome Temp.

...ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	W 2 45	45 09	1	9.99	G2	2-3	Set 5 KAFS. Much cloud Cloud up. Cons 10 5246 5275	[illegible]
	OTB					4/3	Set 9	UK
							Exposure Metre Sensitivity seems erratic	[illegible]

Date Wed Apr 25-26/62 **Observer** Gg-HS **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
26096	HINS 307 BD+45°1758	9 38.7	+45 24	I-12	Ia-O	.016	19	21:13	23:41	2
26097	HINS 140 HD 136617	15 16.6	+59 53	"	"	"	19.3	0005	0419	3
	Focus 7 at O.J.B.									

Dome Temp. +60 F

Focus

Dome Temp. +47°F

Transparency Conditions OK, but thin clouds in S at ≈ 20h sl hazy

266

0330 Seeing Awful!!! 00000

...ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2:41	3h 55W	+45 08	0-	9.99	G2	2-3	KAFS {exp pos not c, not sat. for two 21h50} Seq 10 ~~100~~ 5280 5314	
419	0259 W	60 38	000	9.75	K5p	2-3	Set 5 KAFS #10 5337 5417	
						4/3	" 9	
							1 P.H. +3	

Date Fri-Sat, April 27-28, 1962 **Observer** Fe - L **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
26098	BD +45° 1859	10^h $38^m.3$	+45° 12'	I-12	IIaO-b	.016	24°	20:58	23:09	4
26099	BD +60° 1598	15 14.3	+60 08	I-12	IIaO-b	.016	24°	23:33	02 11	2
Focus Test						OTB				

Dome Temp. 71°

Focus

Dome Temp.

Transparency Conditions Very poor

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3:09	$2^h 33^m$ W	+44° 54'	0-1	9.6	F4	2+1+2	KAFS, Hins 317 10 | 5436 5532	
2 11	1 01 W	+59° 55'	0-1	9.8	F5	2-1-2	KAFS, Hins 137 10 | 5533 5574	
						4/3	Sky thickening Star gone at 01.11	
							1 PH loaded	
							Plates needed in dome	
							Sat / Sun April 28/29 62	
							Mr-I	
							153 Visitors	
							- Showed second group 8 Leonid	

Date Fri/Sat May 4/5 1962 **Observer** H. van B **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
26100	HD 30353 Focus Test	04418	+4306	12"	IIaO	008	+17.0	2027	2127	
1801-204	α Leo	10 06 2	+12 10	15/4/8	14			2213	2x	
1802-204	NGC 4147	12 07 8	+18 45	8/6/41	28			2239	2x+25s	
1803-204	M53	13 10 7	+18 24	8/5/41	28			2320	2x+15s	
1804-204	M5	15 16 3	+02 15	8/4/41	28			0009	2x+15s	
1805-204	α CrB	15 33 0	+26 51	5/5/14	14			0035	2x	
1806-204	R 373	15 41 1	−10 49	7/5/24	14			0057	2x+15s	
1807-204	M80	16 14 4	−22 53	8/5/41	28			0122	2x+15s	
1808-204	M12	16 45 1	−01 53	8/6/41	28			0155	2x+15s	
1809-204	M19	17 00 1	−26 12	8/5/41	28			0229	2x+15s	
1810-204	M92	17 15 8	+43 12	8/4/41	28			0303	2x+15s	
1811-204	α Lyr	18 35 6	+38 45	4/4/17	28			0337	2x	

Dome Temp. 62°F

Focus

Dome Temp.

CO_2 in 20^h00^m
700V

Transparency Conditions Fine

2245 Scattered cumulus in East (Low)
2300 all clear
still Sun at dawn

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
7^h13 W	! +43°18'	1-2 OT	8.3 B	A6	2+4+2 8/6	nt 1 Bickelman's Star Seq 8 ~~85~~ - 97 nt 6	
2^h48 W			12.5	B7		Standard	
1^h10 W	+1°10' W				⊕		
0^h50^m W					⊕		
0^h30^m E					⊕		
0^h17^m E						Standard isolated cloud may drift on [illegible]	
0^h05^m E			7.7	SAFS		Roman HV Star Sov Sverg Very interesting! Almost no lines in spectrum	
0^h10^m E	+0°10' E				⊕		
0^h12^m E	+0°7 E				⊕		
0 10 W	+ 0°05 W				⊕		
0^h27^m W					⊕		
0^h27^m E						Standard	

FINDER
4147
N

δ slow motion not working

Date Sun/Mon May 6/7 1962 Observer Hd Hy - Hs Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	
26101.	HD30353 Focus Test	04 41.8	+43 06	12"	IIaob	.008	18.5	20h 24m	22 08	Y
1812-205	α Leo	test →			4/?/8	14				
26102	HINS 144 BD +60° 1611 Focus	15 21.9	+60 16	12"	IIaob	.016	18.0	23:17	0403	
	Jan	07.B								

Sat May 5/6 Visitors
Fe & Guy
Jr. & Trotter telescope
showed "Universe" twice

Dome Temp. 43°

Focus

Dome Temp.

Transparency Conditions

21:30 very thin cloud over whole sky

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 08	W 8 02	43 17		8.3	A6	2-2-2	Set 3 Bidelman's Star - Hd. Exms 8 5627 5626½	
							test for seeing : not photometric. Also: very thin clouds well up in south.	
33	0321 W	+60° 00	0	9.98	F8	2-3	set 5 exms 10 KAFS ~75 counts #10 5642 5696	
						4/3	" 9 23:40 - sky much improved	
							23:50 - more very thin cloud, well up in south.	
							2 P.H. Landed	

Date Wed - Thurs, May 9-10, 1962 Observer Fe - Gy Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
26103	HD 93427	10 42.1	+65 40	I-12	IIaO-b	.008	12°	20:28	20:51	4
26104	HD 114 376	13 05.1	+39 04	"	"	"	"	21:14	21:25	3
26105	HD 142 763	15 51.2	+18 55	"	"	"	"	22:01	22:30	2
26106	HD 147 550	16 17.5	-01 51	"	"	"	"	22:47	23:40	4
26107	HD 152909	16 51.2	-19 22	"	"	"	"	23:54	1:04	2
26108	HD 153454	16 54.6	+17 51	—	"	—	—	1:40	3:46	3
	From Test				OTB					

Dome Temp. 49°F

Focus

Dome Temp.

Transparency Conditions mediocre
23h hazy – esp in S., cloud in SE.
2h improving & fairly good

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1:00 W	+65° 18'	0	6.22	B9	3+3+3	B8-B9 program (thick haze) 9 | 5705 5746	fine
∞ 50 E	+38 39	0	6.20	B9	3+3+3	B8-B9 " 9 | 5776 5819	fine
2 30 E	+18 42	0	6.20	B9	3+3+3	" " " 9 | 5845 5895	fine
1 47 E	-2 ∞	0	6.09	B9	3+3+3	" " " 9 | 5907 5958	fine
0:58 E	-19 29	0⁻	7.0	B8	3+36	" " " (11) 8 | 5966 77	fine
	+17 44	0-1	7.56	A0	3+	KA 6X6 fld agrees. 40 Sem 9 | 5684	fine
				4/3			OK

2 Pt lin frig + 2

Metro light in warming room has burnt out

Dec motion on E side of pier do takes work.

Date Fri-Sat May 11/12 Observer Ms -Hv Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	F
26109	HR 4187 HD 92728	10 37.4	+57°43'	I-12	IIa-O baked	008	+18.0°	22 51	23 01	1
	"	"	"	"	"	"	"	23 01	23 29	1
26110	HR 5655 HD 134946	15 07.5	-23 38	"	"	"		23 43	00 19	4
26111	HR 6066 HD 146416	16 11.1	-21 03	"	"	"		00 28	0108	2
26112	HR 6294 HD 152909	16 51.2	-19 22	"	"	"	17.8	01 17	0151	3
26113	HR 6900 169578	18 20.2	+05 02	"	"	"		0208	0229	1
26114	HR 6958 HD 170773	18 27.1	+03 35	"	"	"		0259	0323	2
26115	HR 7147 HD 175744	18 51.7	+17 52	"	"	"	17.8	0336	0414	3
	Zone 75A. O.7.B.									

Dome Temp. 55°

Focus

Dome Temp.

Transparency Conditions Thin cloud - later clear
Poor at times after midnight.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3 01	3 : 21W	+57°21'	0	5.77	B9	3-3-3	B8-B9 prog set 5 seus. 8 6036 46	
29	3 : 48W	57 21	0	"	"	3-3-3	" " set 9 46 66 68	
19	0009W	-23 52	0	6.6	B9	3-3-3	" " set 5 seus 8 6078	
04	0006E	-21 15	0	6.3	B9	3-3-3	Set 4 B8-B9 Prog #8 6079 6089	
51	0003E	-1930	0	7.0	B8	3-3-3	" 5 " " " #8 6090 6100	
2[illegible]	0004E	+0504	0	6.54	B9	3-3-3	" 5 " " " #8 6103 6113	
23	0006E	+0335	0	6.32	B9	9	" 5 " " " #8 6121 6134	
19	0021W	+1754	0	6.39	B9	3-6	" 5 " " " #8 6137 6148	
						8/6	" 9	
							1 P. H. +8	
							focussed on ε Virginis	

Date Sat/Sun May 12/13 **Observer** vdB - I **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
26116	HD 114762	13 07.5	+18 02	12"	IIa O	008	+15°C	22:30	23 23	4
26117	HD 142763	15 51.2	+18 55	12"	"	"	+15°C	23.51	23 44	1
26118	HD 144334	16 00.2	−23 20	12"	"	"	15°C	23.58	00 20	2

Dome Temp. 54°

Focus —

Dome Temp. 50°F

Transparency Conditions Fine ✓

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23	1h16m W	+17°42'	0+	8.2	F7	3+3+3	Standard Velocity SRV 6153-6168	
44	1h06 E	+18°42'	0+	6.2	B9	3+3+3	HR 5931 B8-B9 pair 6170-72	
20	0h45 E	-23°29'	0+	5.8	B8	3+6	HR 5988 B8-B9 pair 6172-73	

At - 00h15m the focusing motor suddenly began to operate, by itself! - then stopped & wouldn't restart - star completely out of focus. Iron arc also doesn't work. Had to close up.

about 180 visitors Moon Shown

δ Dec motion E of Pier not working well

Date Mon-Tues May 14/15 Observer MR (Bke) Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
26 1189	HD 107054-5	12h 13.5m	+30° 49′	I-25	IIaO	.008	+24°C	21:02	21:54	3
26 1190	HD 108464-5	12 22.6	+41 55	"	"	"		22:07	23:05	4

Dome Temp. +72°F

Focus 15.64 − .15 = 15.49 left at 15.50

Dome Temp.

Transparency Conditions

May 14 Changed to 25" Camera 12½ was Focus 12.624 Filt 20.35 25" is F 15.50 T 23.15

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0:49 W	+30° 28′	1	6.42	F5-A2	6-6-6	Hyades stars Sets ✓ Seus 8 { 6204, 6250	
1:52 W	+41 33	2	7.27	F5-A3	6-12	" " Sets ✓ " 8 { 6213, 6230±	
						stopped by clouds. 4PH. in refrig.	

Date Tues May 15-16/62 Observer Hd F - BK Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
261201	HD 108100	12 : 20.1	45° 25	I-25	IIaO	016	+27.0	20.25	11 : 56	1
261202	HD 135774-5	15 : 11.8	9° 52	I-25	IIaO	008	26.5	00 28	02 28	2
261203	HD 169689-90	18 20.8	+7 59	"	"	"	26.7	02 37	03 47	3
	Focus Test	O.T.B.								

Dome Temp. 70°

Focus 15 54

Dome Temp. 64

Transparency Conditions Hazy & partly cloudy

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1:49	43 02.5	0	7.37	F2	3-3-3	Hynek's Stars Set 5 Sono 8 {6292 63}	
2 30 W	9 50	0	6.70	A2G	6-6-6	" " Sec. 8 {6341 6367}	
0 40 W	8 00	0	6.25	G0A3	6-6-6	" " 7 {6362 6378}	
					12/18	set 9 1 PH in refrig.	
					11.15	Sky Mtn Sun fell off tables & broke called Frank.	

Date Wed-Thurs, May 16-17, 1962 Observer Fe — BK (Cw, Hl) Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
261274	HD 108464-5	12 22.6	+41 55	I-25	IIaO-b	.008	+29°	20:46	22:23	4
261275	HD 126269-70	14 19.4	+16 44	"	"	"	"	22:54	01 44	1
261276	HD 169985-6	18 22.1	+0 08	"	"	"	"	02 00	02 18	3
261277	HD 169889-90	18 208	+7 59	"	"	"	29.2	02 28	03 20	4
261278	HD 184759-60	19 309	+29 14	"	"	"	29.2	03 30	04 04	1
	Focus Test	O.T.B								

Dome Temp. 80°F

Focus 15.57

Dome Temp.

Transparency Conditions Poor

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality
:33	1:17 W	+41° 34'	0	7.27	F5A3	6+6+6	Hynek star	9 | 6407 6570	
44	2 42 W	+16° 26'	0-1	7.19	F5A0	6+6-6	" " plate found loose in the PH!!	9 | 6597 6777	
18	0 46 E	0 08	0	5.33	A0G	6-6-6	" set 5	7 | 6782 6802	
20	0 18 W	8 00	0	6.25	G0A3	6-6-6	" set 5	8 | 6805 6845	
14	0 08 E	29 20	0	5.84	F5A0	6-6-	" "	8 | 6846 6876	
						12/18	set 9		
							4PH +4 in refrig.		

Date Thurs May 17-18 /62 Observer GT L - BK Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
26129	H.D. 110026-7	12 34.2	+14 54	I-25	IIaO-b	.016	+30	21 36	00 36	1
26130	HD 154225	16 59.1	+40 12	"	"	"	30	01 18	02 48	2
26131	HD 178452-3	18 59.4	+47 09	"	"			02 59	04 05	3
"	Focus Test	O.T.B				.008				

Dome Temp. 84° F

Focus 15 59

Dome Temp.

Transparency Conditions Hazy.

Lost ½ hr because someone had played with the breech end of finder !!!!!!!

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 36	3 22 W	14 30	1	8.07	A3g	3+3+3	Restarted on set 8 Hynecks star Sum 8 | 6928 6970 6972	
2 48	1 12 W	40 05	1	8.01	A5	3-3-3	" set 5	
4 05	0 28 W	47 12	0	7.9	A0G	3-3-3	" " 7014 7054	
						12/18	9	
							1 PH in refrig.	

Date Fri/Sat May 18/19 1962 **Observer** [illegible] - BK **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
26132	HD112515	12 52.2	+46 09	25"	IIaOb	008	31°C	20:45	22 20	4
26133	HD140283	15 37.8	-10 37	25"	IIaOb	008	31°C	22 35	23 27	1
26134	HD133529	14 59.9	-25 24	25"	IIaOb	008	31°C	23 36	00 36	2
26135	HD135774-5	15 11.8	+10 04	"	"	"	31°C	00 51	03 31	3
26136	HD187691	19 46.2	+10 10	"	"	"	30.8	03 39	04 03	4
	Focus Test	O.T.B.								
	Hd E NL									
	Sat May 19	180	[illegible]							
	[illegible]	[illegible]	[illegible]							
20:50	Phone call	Shutter	[illegible]							
	v. high	with	big tail	for	S to	N.	[illegible]			
	[illegible]	[illegible]								

Dome Temp. 85°F

Focus 1561

Dome Temp. 72°

Transparency Conditions Fine, Ci in NW
thin Ci 2200 - 2400

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0h 53E	+45 48	1	83	F2p	6+6+6	0h58 - 108 Hynek Program Spectrum is that of the bright (= southern) component of the double Star Sep 8"	
0h 46E	-10°51'	0-1	7.68	F6VI	6+6+6	R373 SHV progr N.B. very close to moon 6d.5 - 15 count slow	
1 00W	-25°40'	0	71	B8	6+12	HR 5614 B8/B9 Progr 49 - 54	
3 45W	9 48	0	6.70	A2G	6-6-6	Hynek's set 5	8 | 7154 7191
0 18E	10 17	0	5.8	F8	6-6-6	" 5	7 | 7192 7206
					12/18	9	
						4 PH in refrig.	
						RA drive very irregular	

Date Sun / Mon May 20/21 **Observer** F **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
~~26137~~	~~HD 140283~~		clouds	for ½	hr.	ess	in S.E.			
26137	HD 115612	13 13.2	+68.56	I-25	IIaO	.008	27°c	21 33	22 25	1
26138	HD 140283	15 37.8	+10 37	"	"	"	"	22 40	22 54	2
	FOCUS TEST									

Dome Temp. 75° F

Focus 15.54 27° C

Dome Temp.

Transparency Conditions much Cloud Poor

22h sky improved - still much cirrus

23h Clouding over from N fast - Cloud bank stack

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS				Quality
25	0 45W	68° 35'	O	6.09	B9	6-6-6	Set 3	BP-Bq	Sem 6	7259 7264	
30	—	-10° 41'	O	7.68	FS VI	6-6-6	Set 3	See HV Clouded out	Sem 8	2265 2267	
						20-16	Set 8				
							23:30 drop of rain				
	2 PM	tracked	w/ fridge								
							At 10:45 PM EDT Object moved 0 right of N & S from N & S + tail. travelled uniformly. Tail v obvious & quite short. Same object noted earlier in Thornton - Clouds here.				7.0

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Date May 26/27 Sat/Sun Observer MR, Me } - F Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
26139	HD140283	15h 37m.8	-10° 37'	I-25	IIaa-b	Set .008	+16.4°C	23:09	00:29	3
26140	HD 149105	16h 27m.4	+48° 11'	"	"	"	"	01:28	02:10	3
26141	HD178452-3	19h 03m.6	+12 06	"	"	.016	"	02:40	04:00	4
	Focus Test					.008				

Dome Temp. 56°F

Focus 15.37 16°

Dome Temp.

15.52
.15
15.37

Transparency Conditions good

175 visibility – observed Uranus 15' group, N13 second group.

Reading Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0:27	00 47W	-10° 51'	0	7-68	F5 VI	6-6-6	Set 2 So HV 120 9 { 7286, 7406	
10	01 40W	+48° 02'	1+	7.58	G0 II	6-6-6	Set 6 So HV 60 8 { 7458, 7450, 7518	
:00	00 54W	+12° 08'*	1-0	8.28	G5 A2	3-3-3	Set 2 Hynek's – 02 00 – [illegible] 10 9 { 7658	
							Set 8 * declinat twice the variable the star!	
							02:10 Cirrus moving from S – becoming v. bad in north.	
	3 PM	Loaded						
							00:00 Declinator fast motor not working – called Frank fixed 01 20	
							1 unexposed plate exposed to light	

Date June May 29/30 1967 **Observer** NCB **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1813-206	α Leo	10 06.2	+12 10		5/3/7	20	20	50	2x	
1814-206	α CrB	15 33.0	+26 51		5/4/14	14	21	17	2x	
1815-206	NGC 5634 ⊕	14 27.5	-05 48		8/4/41	28	22	10	2x +1sky	
1816-206	α CrB	15 33 0	+26 51		5/3/14	28	22	41	2x	
1817-206	M80 ⊕	16 14 4	-22 53		8/4/41	24	23	07	2x +1 sky	
1818-206	α CrB	15 33.0	+26 51		5/4/14	14	23	48	2x	
1819-206	M107 ⊕	16 30.0	-12 58		8/5/41	28	00	16	2x+ sky	
1820-206	M12 ⊕	16 45 1	-01 53		8/5/41	28	01	00	2x+sky	
1821-206	NGC 6229 ⊕	16 45.9	+47 36		8/5/41	28	01	36	2x.1sky	
1822-206	α Lyr	18 35.6	+38 45		4/4/14	28	02	13	2x	
1823-206	α Lyr	18 35.6	+38 45		4/4/14	28	02	29	2x	

Mirror Realuminized

Dome Temp. 67°F

V = 750 VOLTS

Focus

Dome Temp.

CO_2 in 20:15

Transparency Conditions good however

sky hazy, very thin Ci at sunset, looks better after sundown, probably not

1120 sky still smoky, Ci??

Some improvement to the midnight, worse again later

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Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3h00m E		g=15"	1.25	B7V		Standard drifted out on 2d x	
1h59m E		15"	2.21	A0V		Standard just [illegible] cannot find SOS-3 4147	
0h05m E			10.8	IV		recentered between scans.	
0h35m E		15"	2.21	A0V		Standard	
0h51m E			8.4	II			
0h34m W		5"	2.21	A0V		Standard	
0 06 W			10.1	X		barely visible in 74" ident (possible probable) OK	
0h33m W			8.0	IX		very open, bright stars avoided	
1h05m W			10.3	IV			
0h05 E		3"	0.04	A0V		Standard not well centered 2d time (33→52)	
0h11 W		1"	0.04	A0V		Standard	

Date Th/Fr May ~~30/31~~ 31/1 ✓ Observer vdB – I Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1824-207	2 Cr B	15 33.0	+26°51'		5-4-14	20		23 08	2 +	
1825-207	NGC 6229	16 47.9	+47°36'		8-5-41	28		23 28	2 ++ 1 sky	
26142	HD 159358	17h 29.2	-11°10'	I-25	IIaO6	.008	21°.5	12h 49	12h 58	1
26143	HD 183794	19h 26.1	-2° 19'	I-25	IIaO6	.008	21°.5	1h 22	1h 59	2

Focus Test OTB / 17A

Dome Temp. 65°F CO_2 in 22 55

Focus 15.45 (21°5) V = 700 volts

Dome Temp. 62°F

Transparency Conditions polar air, isolated cumulonimbus looks good very clear at horizon.

12:30 scattered cloud

2h - cloud rising in NW

2:05 clouded out

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	0h 01m W		7"	2.21	A0V		Standard	
				10.3	~~+V~~		⊕ Clouds tracing discarded	
2h 58	0h 14m E	-11° 13	+1	5.51	B8	6-6-6	B8-B9 Pg. Set 5 Seno 6	7697 7702
2h 59	1h 15m E	-2° 12	0	6.68	B8	6-6-6	Hd Eclipsing binary VB 22 Aql Set 5 Seno 8 has faint comp. in visitors eyepiece	7704 7734
						11/12	Set 9	

4PM's clouded +/

Very pleasant observing!

Fri.-Sat.

Date June 1-2 Observer Lt Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
26144	HD171247	18 28.6	+0812	I-25	IIaOb	.008	17.0	135	229	1
	HD 217312	22 54.8	+62 32							
26144F	focus test.									

Dome Temp. 54°
Focus 15.39
Dome Temp.

15.54
15

Transparency Conditions Good

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
29	0 22 W	08 12	0	6.21	B8	6-6-6	B8-B9 Set 5 Plate leaks in PH. 7745-7750	fair
				7.8	B0 IV		Thin clouds in East. Set 5	
							2 PH's loaded	

299 160 visitors saw M3

Date June 2/3 Saturday 62 Observer [Fe Roll] VD VB Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I
1826-208	α CrB	15 33.0	+26 51		4-6-16	14		2217	2x	
1827-208	NGC 5634	14 27.5	-05 48		8-5-41	28		2243	2x+1 Sky	
1828-208	M80	16 14.4	-22 53		8-4-41	28		2310	2x+1 Sky	
1829-208	M4	16 20.9	-26 25		8-5-41	28		2343	2x+1 Sky	
1830-208	M19	17 00.1	-26 12		8-4-41	28		0014	2x+1 Sky	
1831-208	NGC6356	17 21.3	-17 46		8-5-41	28		0046	2x+1 Sky	
1832-208	M28	18 22.1	-24 54		8-4-41	28		0119	2x+1 Sky	
1833-208	NGC6638	18 28.2	-25 32		8-5-41	28		0150	2x+1 Sky	
1834-208	M22	18 33.9	-25 58		8-4-41	28		0221	2x+1 Sky	
1835-208	α Lyr	18 35.6	+38 45		4-4-16	14		0255	2x	

Dome Temp. 700 V

Focus CO2 in 2100

Dome Temp.

Transparency Conditions Fine, clear arctic air mass particularly good low in S

PERFECT!

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0h42m E		Q=7"	2.21	A0V		Standard	
0 47 W	+0h44W		10.8	IV		(*fc 3600 only) almost against prev (2d cut off by pin)	
0h28E	+0h15E		8.4	II			
0 03E	+004E		7.4	IX		Very open (nice so far 1722) bright ** avoided	
0 14E	+004		8 3	VIII			
003E	+015W		9.7	II			
030E	+015E		8.5	IV		(clouds core probably drifted)	
0.05 E	+010W		10 2	VI			
020W	+		6.5	VII		bri. ** avoided	
0h54W			0.04	A0V		Standard	

Sun-Moon 3-4

Date June 4-5/62 **Observer** Guy - F **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
26145	HD144579	16:03.6 (1941)	+29 15	I-25	IaD	5 arc 008	18.3	22:55	23:39	3
26146	HD 172187	18 33.7	+43 08	"	"	008	"	00:01	00:12	4
26147	HD 192579	20 10.5	+46 23	"	"	"	"	00:45	01:17	1
26148	HD 172187	18 33.7	+43 08	"	"	"	"	01:30	01:50	4
26149	HD 181828	19 16.9	+25 00	"	"	"	"	02:04	02:20	1
26150	HD 172187	18 33.7	+43.08	"	"	"	"	02:31	02:43	4
26151	HD 171461	18 29.9	+52.01	"	"	"	"	02:55	03:23	1
26150F	Focus Test									
	Note 26146	18,50	on same plate						03:00	
	26147	19,51	" " "							
									03:20	
	Twilight 56	00.00	clear - city - moist & cloud							
	here - waited for a while. No regard clearing F									

Dome Temp. 58 F

Focus 15:40

Dome Temp.

Transparency Conditions: Not even spectrographic + 20:25 wispy clouds all over! 21:20 thin cloud esp. in S. 22:05 thin cloud just sits in S. + 22:30 (after to Soice) causes Inversion. 23h Fairly good on land, but + thin cloud in S. 0h more cloud in S.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	~~Total~~	REMARKS				Quality
0h 06 W	+39 14	0-1	7.4	G2	6-6-6	Se HV (?)				7789	Poor
1h 53 E	+40 09	1	6.4	A5	6-6-6	Sp Bin N.	Set 2	(12)	Sens 7	7805 7817	
2h 24 E	+46 34	1+	6.9	B9	6-6-6	B8-B9	Set 2		Sens 8	(30) 7822 7832 7858	Poor
00 14 E	+43 09	0	6.4	A5	6-6-6	Sp Bin N.	Set 4½	(12)	Sens 7	7871	Poor
00 28 E	+35 04	0	6.2	B8	6-6-6	B8-B9	Set 5	(5)	Sens 6	7874 7879	Poor
00 38 W	+43 08	0	6.4	A5	6-6-6	Sp Bin N	Set 7	(12)	Sens 7	7891 7893	Poor
01 21 W	+52 03	0	6.4	B9	6-6-6	B8-B9	Set 8	(2)	Sens 7	7895 7907	Poor
							Set 10				

Note: Slit motor & declination not working - set by using crude controls — motors are running but don't give any results — left alone for this. Down coming fast — clouds from N.W. thick

NOTE: Only 1 PH was loaded so plate box at 0 ch.

NO PLATE HOLDERS LOADED!!

Date Wed-Thurs June 6-7/62 Observer Hd Ml - Gg (Cn) Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.
26152	HD112515	12 52.2	+46 0?	I-25	E103aO	008	21.5	21 00	22 24
26153	HD 122563	13 57.6	+10 11	"	"	"	21.2	22 37	23 27
	Focus Test								
		(1961)							
~~15 36 209~~	~~RCB~~	~~15 33.0~~	~~+24 51~~		4,6,16	14			
26154	HD217312	22:54.8	+62 32	I-25	103aO	~~008~~		2:10	2:56

Dome Temp. 70°F

Focus 15.46

Dome Temp. ~

Transparency Conditions Excellent.

0h - Very Good, slightly windy

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 24	2h 11	45° 47'	1-2	8.3	F2p	4-4-4	CO_2 - 23h05; 700 - 23h25; Hynek Composite; Brighter of pair; sens 8; 7910, 7750	fair
3 27	3h 9	9° 49' OTB	1	7.10	G0 VI	4-4-4 16/12	set 2, set 4; Se HV; sens 8; 7953, 7969	good
	(~~IX Eq~~)							
			7"	2.21	A0 V		A rapidly fluctuating image; wind	
5 3	3h 18m E	+62 51	0	7.8	B0 IV	6-6	Hd - Sp Bin {Had to climb onto S. pier}; sens 8; 7974, 8002	fair

Was going to get another * but Dec on control box stopped working & is getting lighter outside.

1 P.H. containing 103aO

Photometer wouldn't work. Called Dr. Hough 0h
Called Frank 0h45

Date Thurs/Fri June 7-8/62 Observer L-Cn/I Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	
~~26155~~	~~HD 140283~~	~~15 39.8~~	~~-10 37~~	~~I-25~~	~~E103Ao~~	set .008		21 27		4
26155	HD 145792	16 07.7	-24 10	I-25	E103Ao	.008	22.8	23 16	00^h38	1
26156	HD 172187	18 33.7	+43° 08	I-25	E103Ao	.008	22.6	00^h50	1^h27	2
26157	HD 190658	20 00.8	+15° 13'	I-25	E103Ao	.008	22.5	01^h49	2^h42	3
26158	HD 183794	19 26.1	-2° 19	I-25	E103Ao	.008	22.5	02^h53	3^h21	4
	Focus	Last ITA/OTB								

Dome Temp. +68°F

Focus 15.47

Dome Temp. +58°F

Transparency Conditions Clouds

see * below { 00^h15 counting very slow at low declination ± also at 1/15

1^h15 improving - few wisps

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality
			~~7.68~~	~~F-G~~	~~4~~	~~SE HV~~	~~Ses 8~~ 8012	
						Increasing clouds.		
Forgot-close to pier!	-24° 21	01	7.0	B8	4-4-4	B8 B9 grey (at pier at end)	Ses 8 Set 5 8025 8035	
$00^h20'$E	+43° 11	+1'	6.4	A5	4-4-4	N Spect. binary as for instruction	Ses 7 Set 5 8037 8049	
$00^h33'$E	+15° 22'	0	~8.0	gM2	6-6-6	vdB hi vel. sp. binary	Ses 9 Set 5 8063 8213	
$00^h40'$W	-2° 11	0	6.68	B8	4-4-4	Hd Eclipsing binary	Ses 7 Set 5 8252 8264	
					16/10	Set 9		

- No PH's loaded

* Gerry: You had not adjusted the offsets motor voltage to its correct value - 90!! (Now -55)

[2/-50 [illegible]]

Discovered at 1^h15 EST - everything works fine. (now!)

Finder cross-hairs out of focus.

Date Fri-Sat, June 8-9 '62 **Observer** Fe – Slt Cn **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	F
26159	HD 133529	14 59.9	-25 24	I-25½	IIaO-b	.008	22.9	21:04	23:12	4
26160	HD 147550	16 17.5	-01 51	I-25½	IIaO-b	.008	23.7	23:25	23:59	2
26161	HD 161701	17 41.9	-14 42	I-25½	IIaOb	.008	23.5	0 13	0 47	3
26162	HD 172187 V822 Aql?	18 33.7	+43 08	I-25	IIaOb	.008	23.7	1:11	1 17	4
26163	HD 183794 HR 7246	19 26.1	-02 19	I-25	IIaOb	.008	23.9	1:33	2 09	1
26164	HD 178075	19 02.1	-24 49	I-25	IIaOb	.008	23.9	2 18	3 08	2
26165	HD 172187 Focus Test	18 33.7	+43 08	I-25	IIaOb	.008	23.9	3 19	3 33	3

Dome Temp. 66°
Focus 15.49
Dome Temp. 60°

Transparency Conditions Poor. Thin cirrus
23 00 [illegible] over sky
1 00 good except clouds at North.
2 00 became hazy at horizon.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1 00 W	-25 40	0	7.1	B8	6+6+6	B8-B9 Program 9 | 8272 8269	
0 30 W	-01 57	0	6.09	B9	6+6+6	B8-B9 Program 9 | 8374 8494	
0 08 E	-14 46	0	6.05	B9	6+6+6	B8-B9 Set 5 Seq 6 8 | 8510 8518	
0 28 E	+43 08	0-1	6.40	A5	6+6+6	N Spec Bin. Set 5 Seq 7 | 8522 8535	fine
0 29 E	-2 15	0-1	6.68	B8	6+6+6	Hd. Eal Bin (Forgot to [illegible]) Set 5 Seq 6 38 43	fine
0 53 W	-24 45	0	6.2	B9	6+6+6	B8-B9 Set 3 Seq 7 45 57	
1 38 W	+43 10	1	6.40	A5	6+6+ 16/20	N Spec Bin Set 3. Seq 7 59 711	fine
						Set 8.	

Sherry.
Flashlight needs new batteries & light in camera box does not work.
Plates too narrow to fit tightly in PHs. — Doesn't matter.

2 PH's loaded

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Date Thurs/Fri 14/15 Observer – Pa F Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
26166	HD 183227	19 23.4	+02 43	I-25	IIaOB	008	22.2	1:10	1:20	1
26167	HD 185330	19 33.5	+38.10	I-25	IIaOB	008	22.2	1:53	2:00	1
26169.1	HD 187235	19 43.9	+38.09	I-25	IIaOB	008	22.2	2:15	2:18	2
26168.2	"	"	"	"	"	"	"	2:20	2:27	2
26169	HD 192276	20 09.0	+47.26	"	"	"	"	3:14	3:52	3
	FOCUS TEST									
2:30	Tried to set on 20 +67° 1405				0 23 – v. hazy – too much for plate					
	26169 might be fogged due to having in spectrograph (open) during closing up.									

Dome Temp. .....

Focus 15.46 22.2

Dome Temp. 53

Sat-?th

Transparency Conditions Poor

175 Visitors. showed slides due to cloudy weather.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS				Quality
00 53 E	02 49	0	5.9	B9	6-6-6	ret 3	B8-B9	HR 7347	zero 6 {8600 8605	fine
00 19 W E	+38 16	0	6.3	B8	6-6-6	ret 6	B8-B9	HR 7467	zero 6 {8608 8613	fine
–	+38 16	0+	5.6	B9	6-6-6	ret 2	"	HR 7543	zero 6 8619 8624 8627	guiding
–	+38 16	"	"	"	6-6-6	ret 5	"		zero 6 8632	Fine
00 57 W	+47 39	0	6.6	B8	6-6-6	ret 3		HR 7721	zero 7 8636 8648	Fine
					20-16	ret 9				O.K.
						Stars as shown in B8-E4 Fredericks				
	3 PM Loaded									

Date Fr./Sat. June 15/16 1962 **Observer** Wells-Pa / Cr I **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1836-20g	Sky	South			4-5-14	28	45→35	2018		
1837-20g	Scattered Moonlight + sky	3° N moon			6-5-14	28	45→34	2053		
1838-20g	"	"			6-6-24	28	45→34	2105		
1839-20g	Scattered Moonlight only				7-5-33	28	45→34	2117		
1840-20g	"	"	"		7-5-40	28	45-34	2135		
1841-20g	"	"	"		7-4-33	20	45-34	2150		
1842-20g	"	"	"		7-4-24	20	45-34	2200		
1843-20g	"	"	"		7-4-24	20	45-34	2212		
1844-20g	"	"	"		7-4-24	20	45-34	2223		
1845-20g	ρ Cr B	15 59.5	+33 26		6-5-24	20	45-34	2243	+ sky	
1846-20g	"				6-4-24	50	45-34	2259		
1847-20g	R 402	16 52.2	+42 54		7-4-24	28	45-34	2315	+ sky	
1848-20g	"	"	"		7-4-24	28	45-34	2332		
26170	HD 175190	18 49.1	-22° 48	I-25	IIaOb	008	24.0°C	0h 38m	1h 01m	1
26171	HD 204038	21 20.8	+33° 16	I-25	IIaOb	008	24.0°C	1h 18	3h 04m	2
	Focus Test OTB/ITA									

Dome Temp. 68F 700V no CO_2

Focus 15.49

Dome Temp.

Transparency Conditions Fine except Sw.c. Low in N. (Moving up?) almost full moon 2330 {Fine till now {thin cloud moving in

high cloud in north at 0430

Good night until clouds came

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	5					Normal cg	trace discarded
1h35E	−11°55′					Normal cg	
1h25E						Smallest cg	
110E						"	
035E						"	Solar δ (u-B)
035E						Normal cg	
025E						"	
013E						"	3PH's Loaded
002E						"	
005W			6.0	G2V		MK Standard	
023W				"		"	
023E			7.5	G0V		HV	
000				"		" cloud dropped to trace, prev's. OK	
00h33′E	−22°44′	0	≈6.0	gK5	6-6-6	vdB hi vel. spectroscopic binary Set 5 Seq 7	8655 6671
01h02′E	+33°32′	0	8.0	A3	6-6-6	F Eclipsing binary Set 5 Seq 9	8672 8742
					20/16	Set 9	

Date Sat/Sun June ~~15~~/16 ~~1932~~ 16/17 Observer Pu Hd Ln - Pu F Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
26172	HD 144334	16 00.2	-23 20	I-25	IIaOb	.008		10:53	11:23	3
	FOCUS TEST									
26173	HD 173936	18 43.0	+41 20	"	"	"	26°.1	00:07	00:31	4
26174	HD 175132	18 48.9	+41 16	"	"	"	26°.2	00:44	02:08	4
	FOCUS TEST (Pu)									
26174	HD 175060	18 48.6	+41 21							
	[illegible]									

Dome Temp. 71

Focus 15.54

Dome Temp.

Sat 16th.

150 Vuilton closed ε Bootis & M3

Transparency Conditions Poor - very.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality
00 42W	-23 30	0--	5.8	B8	6-6-6 20/16	ret 5 - never clouds - too close to pier B8-B9	8795 8796.3 8798	fine
00 51E	+41 22	0--	5.9	B9	6-6-6	ret 2½ B8-B9	rev 6 8803 8805	fine
00 40W	+41 22	0--	6.2	B9	6-6-6 20/16	ret 6 B8-B9 (check finder field) ret 9	rev 6 8810	fine OK
				NO				

3 PH loaded.

0h - cirrus every except in zenith. fine haze.

1h - sky also cirrus

2h - clouds thickening - N & moving S.

- will close up.

Date 7h/Fr June 21/22 1962 **Observer** Pitt Pa - F **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
26175	HD13960	15 31.5	-25 57	25"	IIaOb	008	23	21:18	21 58	1
26176	HD155401	17 06.1	-27 38	25"	IIaOb	008	23	22:13	22 46	2
(26177)	HD176318	18 54.6	+38 07	25"	"	"	22°	01:26	01:40	3
26176 F1	Focus Test									
F2 (OTA)										

Dome Temp. 70°F

Transparency Conditions thick cirrus

Focus 1549

Dome Temp. 62 °F

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
[illegible]	-26° 10'	0	60	Bg	6+6+6	38/9 Progr HR5801 [illegible]	good
	-27° 43'	0	60	Bg	6+12	" HR6387 64 — SET w. 4h 76"	ok
		0-	57	88	6-12	Clouded out —	OK
					20-16	OTB 8897	
					16-20	OTA	OK
						01:10 opened up again	
						- clouding out! F	
						~~1 PH loaded~~	
						2 PH loaded (by Pu)	
						+ 2 Plates in [illegible]	
						Frank check K-00 for Sensitivity	
						Setting on expo. meter !!	

Date Sun – Jun 24/62 Observer Cg Julian Day

Plate No.	Object	R.A. ~~1900~~ (1961)	Declination ~~1900~~	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
1849-210	α Cr B	15 33.0	+26 51		4,5,16	28		21:33		
1850-210	ρ Cr B	15 59.5	+33 26		6,4,24	"		22:02		
"	Sky				"			22:13		
~~1851-210~~	α Cr B	15:33.0	+26 51		4,6,16	"		22:26		
1851-210	α Cr B	"	"		4,5,16			22:30		
1852-210	72 Her	17 19.2	+32:32		5,6,24			20:55		
1853-210	99 Her	18 05.5	+30:33		5,6,24			23:11		
1854-210	α Lyr	18 35.6	+38:45		4,4,24			23:27		
1855-210	R480	19 50.3	+11:32		6,5,24			23 53		
1856-210	16 Cyg A	19 40.7	+50 25		6,5,24			90:20		

Dome Temp. 69F

Focus

Dome Temp.

Transparency Conditions: All Clear – but some extinction? (Stratus NW horizon) l. windy. Stratus – low in S. – 22½h Good – 23h

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Hour Angle ~~End~~ Middle	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS [Gr ⊥ coll] Dome 20:35 NO – CO_2	Quality
0h00m		8"	2.2	$A_0\underline{V}$		λλ 52 ⇌ 34 centering – v. good	
0h00m !			6.0	$G_2\underline{V}$		Blow dec fuse. λλ 45 ⇌ 35 centering ⅔ off at mid.	
						— NEGATIVE.	
			2.2	$A_0\underline{V}$		— SENS TOO HIGH	
0h24W							
0h26E			6.0	$G_0\underline{V}$			
0h57E			5.0	$F_7\underline{V}$			
1h08E			0.0	$A_0\underline{V}$		λλ 52 ⇌ 35 centering ⅔ off at mid.	
1h59E			5.8	$G_2\underline{V}$			
1h23E			6.0	$G_2\underline{V}$		Following cmpt ⊕ 74"	

Only 3 stars left + Moon rising.

(See New Book for 2nd half observing)

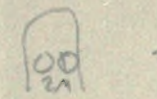
31r 319

Date..... **Observer**..... **Julian Day**.....

	Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.
18										
18:										
18										
18:										
18										
18										
18										
18										
18										

8043	$20^h 44^m$
8047	$20^h 48^m$
8048	$20^h 50.^m$ (50^s)
8052	$20^h 54^m$ (20^s)

Focus tests.
1° Right ① all the way 20.s 25" 008
Prism in normal position



2° Move prism all the way N.
Move ① halfway up 16.s 25" 008

Lens
"Donut" push
Fuzzy pull

Hr - Hawker
vdB - van den Bergh
I - Jansen
MR - Mac Rae
Bk - Baker
Hd - Heard
F - Fitzgerald
Cr - Crampton
Fe - Fernie
Ml - Marlborough
L - Longworth

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